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# NUMBERS & ODDITIES #
//////////////////////////////////// \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
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-
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-
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-::: N&O #63 July 2003 :::-

Both Jochen and I (Ary) have been interviewed by the German radio station Deutschlandfunk. The interviews were for a 45 minutes radio program about numbers stations. The program will be aired on 16 September at 1715 UTC.

You can find a live-stream link and DLF's frequency list on their website at <http://www.dradio.de/cgi-bin/es/neu-freq-listk/>

Deutschlandfunk live-stream: <http://www.dradio.de/dlf/>

Remember the CD "Music for DXing" that I mentioned a couple of months ago? Well, I found two other tunes created by Spunkle. Both are not included on the CD. Both "XPH" and "the Buzzer" are inspired by..... guess what :-)

Download them from <http://nightshift.oxfordmusic.net/jan99/sounds.html>

-0-0-0-0-0-0-0-0-0-0-

* VOICE STATIONS *

::: E03 & E04

As usual, Al and Tomonori supplied the idents of the Lincolnshire Poacher and Cherry Ripe as used during July.

Lincolnshire Poacher E03

UTC	Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC
1200	18827	18827	18827	18827	18827	18827	18827	1200
1300	91725	91725	91725	91725	91725	91725	91725	1300
1400	39712	98935	43836	83939	18827	72937	18291	1400
1500	18291	39712	98935	43836	83939	18827	77780	1500

1600	77780	18291	39712	98935	43836	83939	72937	1600
1700	72937	77780	18291	39712	98935	43836	18827	1700
1800	18827	72937	77780	18291	39712	98935	83939	1800
1900	83939	91725	72937	91725	18291	39712	91725	1900
2000	91725	18827	91725	77780	91725	18291	43836	2000
2100	43836	83939	18827	72937	77780	91725	98935	2100
2200	98935	43836	83939	18827	72937	77780	39712	2200

UTC	Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC
1200	34115	34115	34115	34115	34115	34115	34115	1200
1300	10045	10045	10045	10045	10045	10045	10045	1300
1400	15915	61499	05032	08381	34115	85354	56451	1400
1500	56451	15915	61499	05032	08381	34115	45062	1500
1600	45062	56451	15915	61499	05032	08381	85354	1600
1700	85354	45062	56451	15915	61499	05032	34115	1700
1800	34115	85354	45062	56451	15915	61499	08381	1800
1900	08381	10045	85354	10045	56451	15915	10045	1900
2000	10045	34115	10045	45062	10045	56451	05032	2000
2100	05032	08381	34115	85354	45062	10045	61499	2100
2200	61499	05032	08381	34115	85354	45062	15915	2200

Cherry Ripe E04

UTC	Sun	Mon	Tue	Wed	Thu	Fri	UTC
0000		99230	06593	71389	17166	68984	0000
0100		06593	71389	17166	68984	19392	0100
1000		71389	17166	68984	19392	18660	1000
1100		17166	68984	19392	18660	71389	1100
1200		68984	19392	18660	71389	99230	1200
1300		19392	18660	71389	99230	06593	1300
1400							1400
2200	18660	71389	99230	06593	71389		2200
2300	71389	99230	06593	71389	17166		2300

UTC	Sun	Mon	Tue	Wed	Thu	Fri	UTC
0000		99230	55459	35815	16713	64072	0000
0100		06593	35815	16713	64072	79513	0100
1000		71389	16713	64072	79513	57130	1000
1100		17166	64072	79513	57130	35815	1100
1200		68984	79513	57130	35815	89816	1200
1300		19392	57130	35815	89816	55459	1300
1400							1400
2200	18660	35815	89816	55459	35815		2200
2300	71389	89816	55459	35815	16713		2300

UTC	Sun	Mon	Tue	Wed	Thu	Fri	UTC
0000		89816	55459	35815	16713	64072	0000
0100		55459	35815	16713	64072	79513	0100
1000		35815	16713	64072	79513	57130	1000
1100		16713	64072	79513	57130	35815	1100
1200		64072	79513	57130	35815	89816	1200
1300		79513	57130	35815	89816	55459	1300
1400							1400
2200	57130	35815	89816	55459	35815		2200
2300	35815	89816	55459	35815	16713		2300

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::: E10

E10 is very quiet during the past few months. The usual sked are still going strong but string messages and odd suffixes are scarce lately. The only one reported this month comes from Fabris who heard a string on 6930 kHz, 19 July, 0700 UTC: MIW ATD.

YHF 1 was heard by Mike on 9202 kHz (31 July at 0300 UTC).

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::: S10D

S10D is still active as we can learn from Hans-Friedrich's logs.

Day	Date	UTC	Freq	Remarks
Tue	01.07	1855	13405	555 poor //14445
Thu	17.07	0450	8175	555:624-17/27= 16614
Thu	17.07	0720	8175	555:182-83/33= 40328
Mon	21.07	1740	8190	555:689-37/42= 63420, 219-56/35= 65310 //13502
Mon	21.07	2020	4485	555:273-93/21= 19942
Tue	22.07	1740	8190	555:689-37/42= 63420, 219- ## /35= ##### //13502
Tue	29.07	1740	8190	555:211-58/28= 25080, 374-92/27= 24121

-0-0-0-0-0-0-0-0-0-0-

* MORSE STATIONS *

::: MX

Cluster beacons "C", "D", "F", "K", "M", "S" were reported on cluster frequencies 5154, 7039, 8495, 10872, 16332 kHz

"D" was also heard on spurious frequency 7077.5 kHz

Channel markers:

"V" - 3658 kHz

"L" - 3335.75 kHz

"R" - 5465.8 kHz

The "L" marker has now been df'ed from a number a locations. Some of the bearings were taken by professionals. We mentioned Montenegro as possible location but it seems that it is a little further to the south. The station is somewhere in the Tirana, Albania area.

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::: M21 PV0

Frequency: 5220, 6330 kHz

with the usual strings like

=992314??t????

=992315??t????

=991524??8?????

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::: M40

Not reported very often these days, but apparently still alive: M40.

Igor sends us his findings: 6680 kHz, 0200 UTC, 23 July.

vvv cq 466,437

vvv cq437 cq437 cq437

hr hr 49 49 = =

2136t 95tt4 45918 4211t 79373 78928 36tt5 7t359 8t755 86t95

4229t 5t619 19481 1t781 93342 79848 t2t24 98448 19392 58t41

6t3tt t2224 66756 46868 23184 67678 42464 41164 1174t 276tt

99t92 32743 5396t 87742 53278 27835 42423 t2784 38283 32559

52589 61527 t1t86 22715 81894 82663 57376 44336 782tt

ar ar

rpt rpt

vvv cq437 cq437 cq437

hr hr 49 49 = =

2136t 95tt4 45918 4211t 79373 78928 36tt5 7t359 8t755 86t95

4229t 5t619 19481 1t781 93342 79848 t2t24 98448 19392 58t41

6t3tt t2224 66756 46868 23184 67678 42464 41164 1174t 276tt

99t92 32743 5396t 87742 53278 27835 42423 t2784 38283 32559

52589 61527 t1t86 22715 81894 82663 57376 44336 782tt

ar ar sk sk

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::: M51

M51 was heard on 4626.5, 5250 and 5377 kHz. Although it doesn't seem to be as active as it was a couple of years ago, it is still going strong.

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::: M62

In a reaction to N&O #61 we received a note from one of our local correspondents who writes that it is highly unlikely that M62 is in Zilina "because its signal was very weak in Zilina (noise level). Also in Martin, Slovakia, the signal was weak at the same moment."

Well, it is quite possible that the actual transmission does not always come from Zilina. The station belongs to the Slovakian Ministry of Defense Operations HQ in Zilina. It transmits exercise and flash messages (like the USAF EAMs). There are stations in various locations who also (re)transmit the messages that originate from Zilina. There is at least one transmitter in Zilina. It would be nice if we could figure out where in Slovakia the other stations are. DF reports are most welcome.

Situation in July:

1732 kHz, daily, 24h, no msg heard

3485 kHz, daily, 24h, no msg heard

4396 kHz, daily, 24h, no msg heard

The station uses CET (CEST). The callsigns change 3x per month at 0000 hours local time without any other message. 1732 kHz is the parallel frequency. It is not clear, since when. 6 sets of callsigns have been noted so far. Sometimes the local time is sent: = = QTR 0100 (27 June 2003 2300 UTC).

Some historical and new logs:

Date	Text	Frequencies
01.12.99 - 10.12.99	FCQR FCQR FCQR = A7KG A7KG A7KG +	1732
01.01.00 - 10.01.00	FCQR FCQR FCQR = A7KG A7KG A7KG +	4396
11.01.00 - 20.01.00	F6X2 F6X2 F6X2 = T4FD T4FD T4FD +	4396
21.01.00 - 31.01.00	HXVH HXVH HXVH + NVKL NVKL NVKL +	4396
11.10.00 - 20.10.00	F6X2 F6X2 F6X2 = T4FD T4FD T4FD +	4396
11.02.01 - 20.02.01	F6X2 F6X2 F6X2 = T4FD T4FD T4FD +	4396//1732
11.03.01 - 20.03.01	F6X2 F6X2 F6X2 = T4FD T4FD T4FD +	4396

21.07.01	-	31.07.01	HXVH	HXVH	HXVH	+	NVKL	NVKL	NVKL	+	4396
21.08.01	-	31.08.01	HXVH	HXVH	HXVH	+	NVKL	NVKL	NVKL	+	4396
01.09.01	-	10.09.01	FCQR	FCQR	FCQR	=	A7KG	A7KG	A7KG	+	4396//1732
21.12.01	-	31.12.01	QR2U	QR2U	QR2U	=	KP6F	KP6F	KP6F	+	4396
01.01.02	-	10.01.02	B3ET	B3ET	B3ET	=	RNJ5	RNJ5	RNJ5	+	4396
11.01.02	-	20.01.02	J7XD	J7XD	J7XD	=	D3QK	D3QK	D3QK	+	4396
21.01.02	-	31.01.02	QR2U	QR2U	QR2U	=	KP6F	KP6F	KP6F	+	4396
01.02.02	-	10.02.02	B3ET	B3ET	B3ET	=	RNJ5	RNJ5	RNJ5	+	4396
21.12.02	-	31.12.02	QR2U	QR2U	QR2U	=	KP6F	KP6F	KP6F	+	3485
11.01.03	-	20.01.03	J7XD	J7XD	J7XD	=	D3QK	D3QK	D3QK	+	3485
21.01.03	-	31.01.03	QR2U	QR2U	QR2U	=	KP6F	KP6F	KP6F	+	3485
01.02.03	-	10.02.03	B3ET	B3ET	B3ET	=	RNJ5	RNJ5	RNJ5	+	3485
11.02.03	-	20.02.03	J7XD	J7XD	J7XD	=	D3QK	D3QK	D3QK	+	3485
21.02.03	-	28.02.03	QR2U	QR2U	QR2U	=	KP6F	KP6F	KP6F	+	3485
01.04.03	-	10.04.03	B3ET	B3ET	B3ET	=	RNJ5	RNJ5	RNJ5	+	3485
11.04.03	-	20.04.03	J7XD	J7XD	J7XD	=	D3QK	D3QK	D3QK	+	3485//1732
21.04.03	-	30.04.03	QR2U	QR2U	QR2U	=	KP6F	KP6F	KP6F	+	3485//1732
01.05.03	-	10.05.03	B3ET	B3ET	B3ET	=	RNJ5	RNJ5	RNJ5	+	3485//1732
11.05.03	-	20.05.03	J7XD	J7XD	J7XD	=	D3QK	D3QK	D3QK	+	3485//1732
21.05.03	-	31.05.03	QR2U	QR2U	QR2U	=	KP6F	KP6F	KP6F	+	3485//1732
01.06.03	-	10.06.03	B3ET	B3ET	B3ET	=	RNJ5	RNJ5	RNJ5	+	3485//1732
11.06.03	-	20.06.03	J7XD	J7XD	J7XD	=	D3QK	D3QK	D3QK	+	3485//1732
21.06.03	-	30.06.03	QR2U	QR2U	QR2U	=	KP6F	KP6F	KP6F	+	3485//1732
01.07.03	-	10.07.03	B3ET	B3ET	B3ET	=	RNJ5	RNJ5	RNJ5	+	3485//1732
11.07.03	-	20.07.03	J7XD	J7XD	J7XD	=	D3QK	D3QK	D3QK	+	3485//1732
21.07.03	-	31.07.03	QR2U	QR2U	QR2U	=	KP6F	KP6F	KP6F	+	3485//1732

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::: M87

A couple of M87 logs from Igor:

7940 kHz, 0000 UTC, 14 July.

```
... 684 684 684 684 684 684 684 684 684 684 684 000
684 684 684 684 684 684 684 684 684 684 684 684
684 684 684 684 684 684 684 000
684 684 684 684 684 684 684 684 684 684 000 000
```

16420 kHz, 0330 UTC, 8 July.

```
... 154 154 154 154 154 154 000 000
154 154 154 154 154 154 154 154 154 154 000 000
154 154 154 154 154 154 154 154 154 154 154 154
154 154 154 154 154 154 154 154 000 000
154 154 154 154 154 154 000 000
```

-0-0-0-0-0-0-0-0-0-0-

* OTHER MODES *

::: VARIOUS

S28 - The Buzzer, daily on 4625 kHz. Usually very strong.

S30 - The Pip on 3756 and 5448 kHz.

XSW - I haven't heard the Squeaky Wheel for weeks. Bad conditions may be the reason. Reports are most welcome.

XM - Backward Music on 5435, 6229, 9005, 17108 kHz.

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::: X06 / M42

Only two logs this month:

16151	M42	Msg in MFSK	18-07-03	1235 UTC
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19145	X06	Mazielka calls	19-07-03	1242 UTC
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::: JAMMERS

The usual bunch and one that isn't mentioned too often; the jammer from Morocco on 1550 kHz against Polisario's broadcasts.

China: 9625, 15670, 21560 kHz.

Cuba: 7385, 18090 kHz (the "Havana Gurgle" jammer).

Iran: 1168, 4691, 4650, 4670, 5350, 5640, 5650, 5660, 6460, 6750, 7000, 7010, 7020, 7050, 7750, 8240, 8280, 8350, 8550, 8600, 8950, 9250, 9280, 17510, 17525 kHz.

Morocco: 1550 kHz.

Saudi Arabia: 15705 kHz.

-0-0-0-0-0-0-0-0-0-0-

* UNID STATIONS *

::: DI-DI-TA

The strange Chinese station that transmits morse message by voice was heard again by Igor. This time on 12345 kHz at 0105 UTC on 11 July. It

transmitted: "= = pm5g9/dujw7"

Igor first copied the station on 23 May at 0101 UTC on 9962 kHz. Look for a sample on the N&O website. It really sounds funny. Info is more than welcome.

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I received the following unid from ISO:

6114 kHz, 0820 UTC, 23 July. Hand keyed morse. Messages consist of two groups. They are being sent for two minutes followed by 2 minutes pause. The location of this station is possibly in the Bratislava area.

Text:

75673 60334 (2 min. continuous)

81381 93495 (2 min. continuous)

95635 32036 (2 min. continuous)

32568 13358 (2 min. continuous)

-0-0-0-0-0-0-0-0-0-0-

★ MILITARY STATIONS ★

::: SLOVAKIAN STATIONS

See Morse station M62

<<<<<>>>>>

::: CZECH STATIONS???

NETWORK 25

Fritz contributed his monitoring results of what he calls "Netz 25" (Network 25). Fritz says "This is another "Marker" station sending every 20 sec a marker c/s. This station seems to be affiliated with the Czech network S8BD/CH8N/U4NP through its typical characteristics and because they use same NCG (net control group). QTH is unknown. QTE from Z_rich is 150/330 degrees, which is strange."

This bearing is towards Italy which seems be be odd. We are therefore looking for dxers who are willing to df these stations from various points in Central and Southern Europe. Can we count on you?

The number messages vary from 1 to 10 messages of 20 or 50 groups, message preparation time is CET (CEST), off-line encrypted (5LGs or 5FGs) are repeated. The messages are automated, preamble and calls are hand keyed in a very poor manner with many errors. Transmission times may vary considerably.

Like the S8BD network, this one also seems to use a 10 day cycle for changing its freq/QRA. In July it became clear that "Netz 25" isn't another station that sends broadcasts only. There are at least 5 call signs / stations in the network and one CQ call (see examples). The use of parallel and night freqs isn't clear yet.

Frequencies	NCS	Stations	Marker/CQ	UTC	From	Until
4900//5330	KVF2	??	W6QZ	daily ??	11-3	20-3
				daily 0600-1000	11-4	20-4
4800	DRMB	TXMW	NPFP	daily 0615-varies	1-4	10-4
6920//5340	PD7D	WB5T	DKSL	daily ??-varies	24-6	30-6
5200	DRMB	UMHN	NPFP	daily 0600-1000	1-7	10-7
		VBFL				
		LBF2				
		TXMW				
		ELBH				
5270//5920	KVF2		W6QZ	daily 0600-1000	11-7	20-7
6920//5340	PD7D		DKSL	daily 0600-1000	21-7	31-7

- Examples:

5330 12-3 0605 W6QZ de KVF2 QTC 1 50 12 0805 = 743 W6QZ = 5LG = KVF2 +
 4800 7-4 0626 NPFP de DRMB QTC 1 50 7 0826 = 413 NPFP = 5LG = DRMB +
 4800 7-4 0653 NPFP de DRMB QTC 2 50 7 0853 = 413 NPFP = 5FG = DRMB +
 4800 7-4 0713 NPFP de DRMB QTC 3 50 7 0912 = 413 NPFP = 5LG = DRMB +

Note the net control group !

4929 7-4 0622 C6CP de S8BD QTC 28 20 7 0822 = 413 C6CP = 5LG = S8BD +

4800 9-4 2020 TXMW de DRMB QWX 3
 4900 11-4 0821 W6QZ de KVF2 QTC 3 50 11 1021 = 136 W6QZ = 5Lg = KVF2 +
 4900 14-4 1000 W6QZ de KVF2 445 col 445 + (end of transmission)
 4900 15-4 0918 W6QZ de KVF2 QTC 7 50 15 1117 = 479 W6QZ = txt
 6920 30-6 0622 Marker DKSL every 20 sec
 6920 30-6 0629 WB5T de PD7D QWX 1 +
 6920 30-6 0816 DKSL de PD7D QTC 4 50 30 1016 = 104 DKSL = 5LG
 6920 30-6 0829 QTC 4 repeated
 6920 30-6 0912 DKSL de PD7D QTC 5 50 30 1112 = 104 DKSL = txt
 6920 30-6 0920 QTC 5 repeated
 6920 30-6 1000 DKSL de PD7D 329 col 329 (transmission ceases)
 5200 1-7 0850 NPFP de DRMB QTC 4 50 1 1045 = 557 NPFP = txt

5200 1-7 1001 NPFP de DRMB 288 col 288 + (end of transmission)
 5200 9-7 0605 NPFP de DRMB k
 UMHN de DRMB 11355 k (UMHN confirms)
 ELBH de DRMB 89136 k (ELBH confirms)
 TXMW de DRMB 28713 k (TXMW confirms)
 LBF2 de DRMB 32955 k (LBF2 confirms)
 VBFL de DRMB 66384 k (VBFL confirms)
 5200 9-7 0650 NPFP de DRMB XXX sako 246 col sako 246 k
 (all stations confirm)
 5200 9-7 0700 UMHN de DRMB 818 115 315 327 219 325 928 k
 5200 9-7 0705 NPFP de DRMB QTC 2 20 9 0903 = 292 NPFP = txt
 5200 9-7 0710 NPFP de DRMB XXX rada 248 col rada 248 k
 (all stations confirm)
 5270 11-7 0950 W6QZ (Marker)
 5270 11-7 1000 882 col 882 + (end of transmission)
 5340 28-7 0736 DKSL de PD7D QTC 3 50 28 0935 = 536 DKSL = txt

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::: CHINESE STATIONS

3553 V CP17 CP17 CP17 DE L9CC L9CC
 7778 V RXP7 RXP7 RXP7 DE CZT2 CZT2

.and a message intercept from Igor:

7778 kHz, 1600 UTC, 1 July:

... 378 21 0702 0002 = = =
 d3n4 7uta 66t5 dn54 a37u unt5 d534 7a67 6nt4 d3u7
 d6a5 a3n4 6utn 35au td74 dn73 u65a t45n u7dt 463a
 567t daun 5347 6tnd 3u4a 563t dna5 64u7 576a 34un
 d5n7 t36a 456a 3n7d dtu6 7t45 n7au d43d 376t nua5
 67at 4udt 6n3u 4tn5 d73a 346a 47d5 nnt6 5a3d 7tu4
 3ndt u4a7 na56 d73t 4a65 74td anu3 a654 tn53 76ud
 aun7 456t 35n4 d436 tdua d67u 6543 tndu a743 at5n
 5dn3 t7u4 d6a7 t5n6 a4u3 tdn5 3ua7 3647 tdn5 6uad
 334t n66u t457 576n 4n7d un53 7a4n dn67 4d63 56da
 t3d7 664t a54t 3d45 56a7 65nt 5nt4 63ua t53u a737
 iii iii =
 tddu d5an 4a76 (and so on)
 iii iii =
 7uad 7d54 aun3 7ndn 45t4 6ttu 6445 d3ut duud 5nna ? 5nna
 u7at u37d n35a t635 utdt at57 475d a4u5 3adn n56n
 tn77 dtun 36ad 35ut 3an4 udd3 76un t65n 6737 n5t4
 an35 6u74 7n7a 5645 n7nt 3t5u a774 n6u4 76ut d3d6
 7u3t 645a dtd3 67u4 u7t4 ad64 3a47 56tu 76d3 7t43
 5ad6 da77 d643 u4td 5n5t 54u4 7n5n ddu3 7da4 45a5

43aa 56dn 674t 635t 7ntn ddtu ttua n3a7 4567 ndd7
4567 dn3u dnd6 7437 uuat 67dt da74 53a4
hr nr 04 qsl ?
... cz2 cz2
v rpx7 rpx7 rpx7 de cz2 cz2 (endless string)

Other possible Chinese stations as logged by Igor:

10250 kHz, 0140 UTC, 7 July.

... nr o4 time o94o nr nr o4 time o94o time o94o
= = = fqac/i3b/mt/lw/aa ar
= = fqac/i3b/mt/lw/aa ar
= = fqac/i3b/mt/lw/aa ar
= = fqac/i3b/mt/lw/aa ar
= = fqac/i3b/mt/lw/aa ar
= = fqac/i3b/mt/lw/aa ar
qsy qsy 5 qsy 5 qsy 5
gb gb gb

7945 kHz, 1258 UTC, 7 July.

...
id id nr 326t/ex time 2t57 = = ddu/6 ar = dud/6 k
id id nr 326t/ex time 2t57 = ddu/6 ar = ddu/6 ar k
ga

<<<<<>>>>

::: POLISH MILITARY

A couple of Maciej's findings:

7908.5 kHz, 3ZN28 Polish navy Swinoujscie?
8215.0 kHz, 3ZN28 Polish navy Swinoujscie? comms check with SNWZ
Kontradmirał Xawery Czernicki in the Persian Gulf region.
14824.0 kHz, ATV036 Polish mil KUW 4th NBC Regiment wkg LCR155

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::: RUSSIAN / CIS STATIONS

John from Alaska monitored Russian traffic on duplex frequency 7574 kHz
at 1055 UTC.

RAC called RJS
Preamble: QTC 118 29 19 1410 118 BT
29 groups of 5 letter encrypted text.

Traffic was confirmed by RJS.

A couple of Jim's logs to complete this month's military section.

18.1 RDL: Russian Military via Tashkent

18.1 RDL: Russian Military //12832. Strategic code message
XXX XXX XXX RDL RDL RDL 64486 96327 WDOVA 1822 5094
Repeats. Ends K. Followed by
51420 25555 NEKTARNIK 6671 8813

3306.0 W3SI: Receiving tfc from DNSJ then sends him msg 954 32 27
2306 954 = .66 = PPPPP PVI0X...PVI0X aEAOE WUPWO =
753 RPT AL K.

4977.0 messages

12832.0 RDL: //18.1 kHz

-0-0-0-0-0-0-0-0-0-0-

* INTELLIGENCE PROFILE: NIGERIA *

Background:

Following nearly 16 years of military rule, a new constitution was adopted in 1999, and a peaceful transition to civilian government was completed. The president faces the daunting task of rebuilding a petroleum-based economy, whose revenues have been squandered through corruption and mismanagement, and institutionalizing democracy. In addition, the OBASANJO administration must defuse longstanding ethnic and religious tensions, if it is to build a sound foundation for economic growth and political stability.

General:

Country name: Federal Republic of Nigeria (Nigeria)

Capital : Abuja; note - on 12 December 1991 the capital was
officially transferred from Lagos to Abuja.

Administrative divisions:

Nigeria consists of the Abuja Federal Capital Territory and 36 states; Abia, Adamawa, Akwa Ibom, Anambra, Bauchi, Bayelsa, Benue, Borno, Cross River, Delta, Ebonyi, Edo, Ekiti, Enugu, Gombe, Imo, Jigawa, Kaduna, Kano, Katsina, Kebbi, Kogi, Kwara, Lagos, Nassarawa, Niger, Ogun, Ondo, Osun, Oyo, Plateau, Rivers, Sokoto, Taraba, Yobe, Zamfara.

Military branches:

Army, Navy, Air Force, National Police Force

Intelligence:

National Intelligence Agency (NIA)

State Security Service (SSS)

Federal Investigation and Intelligence Bureau (FIIB)
Directorate of Military Intelligence (DMI)
National Drug Law Enforcement Agency (NDLEA)

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::: INTELLIGENCE AGENCIES

* Nigerian Security Organisation - NSO

The now defunct NSO was during a period of 10 years (1976-1986) the sole intelligence agency in Nigeria. Other government bodies that were involved in national security during the same period were the Ministry of Internal Affairs, the Ministry of Defense and the National Police Force.

The NSO was charged with the detection and prevention of any crime against the security of the state, with the protection of classified materials, and with carrying out any other security missions assigned by the president.

When the country got a new regime in August 1985, things started to change. The new regime issued Decree Number 19 in June 1986. This decree meant the end of the NSO and the start of three new security services, namely: the National Intelligence Agency (NIA), the State Security Service (SSS) and the Defence Intelligence Agency (DIA).

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* National Intelligence Agency - NIA

The NIA was formed in June 1986 as one of the successors of the old NSO. The agency is responsible for foreign intelligence and counter-intelligence.

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* State Security Service - SSS

Also formed in June 1986 was the SSS, the State Security Service, responsible for intelligence within Nigeria.

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* National Police Force - NPF

Federal Investigation and Intelligence Bureau - FIIB

The National Police Force is designated as the national police with

exclusive jurisdiction throughout the country. The NPF is part of Nigeria's military forces. Special sections of the NPF are in charge of the protection of harbours and waterways (Port Security Police), railways and airfields.

In late 1986, the NPF was reorganized nationwide into seven new area commands and five directorates (criminal investigations, logistics, supplies, training, and operations) under deputy inspectors general.

In mid-1989 another NPF reorganization was announced. Under the new structure, a Federal Investigation and Intelligence Bureau (FIIB) was to be set up as the successor to the Directorate of Intelligence and Investigation; three directorates were established for operations, administration, and logistics, each headed by a deputy inspector general.

- The Directorate of Operations was subdivided into four units under a deputy director (operations, training, communications, and the police mobile force).
- The Directorate of Administration was composed of an administration unit headed by an assistant inspector general (AIG), and of budget and personnel units under commissioners.
- The Directorate of Logistics had four units (procurement, workshop/transport, supply, and work/maintenance) under AIGs. The zonal arrangements were retained.

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* National Drug Law Enforcement Agency - NDLEA

Nigerians participate heavily in international drug trafficking. The country is also the center for most narcotics traffic in Africa. By shifting some operations to neighboring countries and to strategic locations worldwide, Nigerian criminal organizations have succeeded in altering and expanding their smuggling networks. Nigerian money-launderers operate sophisticated global networks to repatriate the illicit proceeds of narcotics trafficking as well as from financial crimes and other criminal activities.

The Government's counter-narcotics programs have failed to materialize or have been ineffective. Efforts by the Nigerian Drug Law Enforcement Agency (NDLEA) have been hindered by widespread corruption in law enforcement and by the lack of substantive government support. The NDLEA was formed by decree in January 1990 to eliminate the growing, processing, manufacturing, selling, exporting, and trafficking of hard drugs, and the decree prescribed stiffer penalties for convicted offenders.

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* Directorate of Military Intelligence - DMI

One of NSO's successors is the Directorate of Military Intelligence. It is responsible for military-related intelligence outside and inside the country.

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Sources: Federation of American Scientists (www.fas.org),
CIA World Factbook

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* INTELLIGENCE NEWS *

::: ISRAEL / EGYPT

Egyptian intelligence service chief General Omar Suleiman has met the head of Israel's Mossad spy agency on 16 July. The radio station that reported this did not specify the location or the content of the talks between Suleiman and the Mossad chief, General Meir Dagan. Suleiman also visited Palestinian leader Yasser Arafat at his headquarters in the West Bank city of Ramallah. They discussed ways to shore up the suspension in anti-Israeli attacks that four Palestinian radical groups declared on June 29 and the implementation of the road map peace plan. (Source: AFP - via Laurent)

-0-0-0-0-0-0-0-0-0-0-

* LOGS SECTION *

1732	M62	Slovak mil CW daily 24h
2680	M22	4XZ. Israeli navy Haifa CW 27-07-03 Sun 1850 (RGA)
3025.0	M08a	ID 97462 08712 03643 CW 08-07-03 Tue 1000 (MS)
3025.0	M08a	(in progress - too weak for copy) CW 10-07-03 Thu 1000
3025.0	M08a	ID 01611 00041 36583 CW 19-07-03 Sat 1000 (MS)
3150	E10	PCD2 AM 17-07-03 2300 (JAQ)
3150.0	E10	PCD2 USB 16-06-03 Mon 2300 (GG)
3244.0	M08a	(too weak to get any readable copy) CW 19-07-03 Sat 1000 (MS)
3292.0	V02a	Caught start of 15x26 msg; missed the other two IDs...very weak signal AM 29-07-03 Tue 0402 (DM2)
3336.2	MX	Channel marker "L" CW 22-07-03 Tue 2117 (AB)
3415	E10	ART AM 18-07-03 0030 (JAQ)
3415	E10	ART AM 20-07-03 1930 (JAQ)
3415	E10	ART AM 20-07-03 2030 (JAQ)

3415.0 E10a ART 2 USB 17-07-03 Thu 1902 (HP)
3485 M62 Slovak mil CW daily 24h
3756 S30 Pip + msg CW/USB 29-07-03 Tue 2202 (PB)
3808 M10 555:048-53/39= 35871 777-01/29= 32703 //5735 CW
21-07-03 Mon 2100 (HFD)
3808 M10 555:048-53/39= 35871 777-01/29= 32703 //5737 CW
23-07-03 Wed 2100 (HFD)
3808 M10 555 048 39 777 24 //5860 kHz CW 24-07-03 Thu 0400
3808 M10 555 288 20 279 40 CW 28-07-03 Mon 0400 (PB)
3808 M10 in progress. Heavy QRM CW 28-07-03 Mon 2101 (PB)
3808 M10 555 288 20 279 40 CW 31-07-03 Thu 0400 (PB)
3840 E10 YHF2 AM 17-07-03 2300 (JAQ)
3840.0 E10 YHF2 USB 12-07-03 Sat 0000 (GG)
3889 V02 extremely poor signal AM 21-07-03 Mon 0100 (CA2)
3925.0 M08a ID 56652 ----- (in progress) CW 04-07-03 Fri
3925.0 M08a ID 97461 03642 08711 (began sending here at 1002z
after going silent on 8136m CW 06-07-03 Sun 1002 (MS)
3926.0 M08a (in progress - missed callups) CW 09-07-03 Wed 1000
4017.0 V02a Atencion 15323 93341 26112 AM 29-07-03 Tue 0300 (DM2)
4027.0 M08a in progress CW 29-07-03 Tue 0307 (DM2)
4028.0 V02a In prog AM 12-07-03 Sat 0324 (BM)
4028.0 V02a Atencion 0xx21 82711 x6x01. Badly distorted! Not sure
of callup. AM 25-07-03 Fri 0500 (DM2)
4270 E10 PCD2 AM 10-07-03 1900 (JAQ)
4270.0 E10 PCD USB 16-06-03 Mon 2330 (GG)
4270.0 E10 PCD 143 ?HL?? USB 17-06-03 Tue 0030 (GG)
4270.0 E10 PCD USB 23-06-03 Mon 2230 (GG)
4270.0 E10 PCD2 USB 23-06-03 Mon 2300 (GG)
4270.0 E10 PCD USB 23-06-03 Mon 2330 (GG)
4270.0 E10 PCD 54 XCFRV USB 12-07-03 Sat 0000 (GG)
4270.0 E10 PCD2 USB 12-07-03 Sat 2000 (JS3)
4270.0 E10 PCD 70 AUH?S USB 17-07-03 Thu 0230 (BS4)
4271 E10 in progress AM 29-07-03 Tue 1950 (RGA)
4329.0 V02A AM 16-07-03 Wed 0400 (DM2)
4360 E10 MIW2 AM 11-07-03 1915 (JAQ)
4360 E10 MIW2 AM 15-07-03 2115 (JAQ)
4360 E10 MIW2 AM 20-07-03 1915 (JAQ)
4360 E10 MIW2 AM 20-07-03 2015 (JAQ)
4360 E10 MIW2 AM 21-07-03 2115 (JAQ)
4360 E10 MIW2 AM 21-07-03 2215 (JAQ)
4360 E10 MIW2 AM 21-07-03 2315 (JAQ)
4360.0 E10 MIW2//6930, 7605 USB 05-07-03 Sat 0115 (BS4)
4360.0 E10 MIW2//6930 USB 17-07-03 Thu 0115 (BS4)
4396 M62 Slovak mil CW daily 24h
4461.0 E10 FTJ in tfc USB 03-07-03 Thu 0100 (BS4)
4461.0 E10 FTJ USB 05-07-03 Sat 0100 (BS4)
4461.0 E10 FTJ USB 17-07-03 Thu 0100 (BS4)
4461.0 E10 FTJ USB 17-07-03 Thu 0300 (BS4)

4461.0 E10 FTJ 115 I?DFW USB 23-07-03 Wed 2300 (GG)
 4463.0 E10a FTJ 2, sign off +04 USB 17-07-03 Thu 1904 (HP)
 4478.0 M08a ID 58183 ----- (in progress) CW 03-07-03 Thu
 4478.0 M08a (too weak to get any readable copy) CW 19-07-03 Sat
 1100 (MS)
 4479.0 V02A LSB 16-07-03 Wed 0300 (DM2)
 4479.0 V02a in progress AM 30-07-03 Wed 0307 (DM2)
 4485 S10D 555:273-93/21= 19942 AM 21-07-03 Mon 2020 (HFD)
 4560.0 E10 YHF2 USB 22-06-03 Sun 0230 (GG)
 4560.0 E10 Poor / fair signal, Calling YEF2, Null Message USB
 19-07-03 Sat 0230 (CA2)
 4626.5 M51 NR .9.J 22:17:58 2003=ZZOYL ZJOVU. CW 29-07-03 Tue
 1917 (RGA)
 4638 M13B 175 274 21 (should have been 273?) CW 13-07-03 Sun
 2100 (JP)
 4638 M13B 175/0 CW 26-07-03 Sat 2100 (HFD)
 4648 E10 KPA2 AM 10-07-03 1915 (JAQ)
 4648 E10 KPA2 AM 11-07-03 1915 (JAQ)
 4648 E10 KPA2 AM 13-07-03 2115 (JAQ)
 4648 E10 KPA2 AM 13-07-03 2215 (JAQ)
 4648 E10 KPA2 AM 20-07-03 1915 (JAQ)
 4648 E10 KPA2 AM 20-07-03 2015 (JAQ)
 4648 E10 KPA2 AM 21-07-03 2115 (JAQ)
 4648 E10 KPA2 AM 21-07-03 2215 (JAQ)
 4648 E10 KPA2 AM 21-07-03 2315 (JAQ)
 4880.0 E10 ULX wkr than 6270 USB 08-06-03 Sun 2300 (GG)
 4880.0 E10 ULX USB 09-06-03 Mon 0030 (GG)
 4880.0 E10 ULX USB 09-06-03 Mon 0200 (GG)
 4880.0 E10 ULX USB 09-06-03 Mon 0230 (GG)
 4880.0 E10 ULX USB 10-06-03 Tue 0200 (GG)
 4880.0 E10 ULX 55 XOBJQ USB 13-06-03 Fri 2300 (GG)
 4880.0 E10 ULX USB 02-07-03 Wed 0200 (BS4)
 4880.0 E10 ULX USB 08-07-03 Tue 0030 (BS4)
 4880.0 E10 Extremely weak signal, barely heard through QRM, could
 only id station as E10 USB 17-07-03 Thu 0002 (CA2)
 4880.0 E10 USB 17-07-03 Thu 0002 (CA2)
 4880.0 E10 Weak / barely readable because of interference and QRM
 USB 18-07-03 Fri 0215 (CA2)
 4880.0 E10 Not audible / very weak signal, sounded like YEF2,
 Null Message USB 19-07-03 Sat 0230 (CA2)
 5076 M10 555:442-01/33= 35443 224-52/22= 05338 //7745 CW
 21-07-03 Mon 1700 (HFD)
 5076 M10 555:442-01/33= 35443 224-52/22= 06338 //7745 CW
 22-07-03 Tue 1700 (HFD)
 5076 M10 555:331-58/31= 04469 846-46/19= 75580 //8175 CW
 23-07-03 Wed 1700 (HFD)
 5077 M10 555:331-58/31= 04469 846-46/19= 75580 //8175 CW
 24-07-03 Thu 1700 (HFD)

5091	E10	JSR AM 17-07-03 2130 (JAQ)
5091	E10	JSR AM 17-07-03 2230 (JAQ)
5091	E10	JSR 2 AM 25-07-03 Fri 2033 (PP1)
5091.0	E10	JSR USB 16-07-03 Wed 0330 (BS4)
5154	MX	Cluster beacon "C" CW 22-07-03 Tue 2115 (AB)
5170	E10	VLB2 AM 02-07-03 2345 (JAQ)
5170	E10	VLB2 AM 06-07-03 2145 (JAQ)
5170	E10	VLB2 AM 06-07-03 2345 (JAQ)
5170	E10	VLB2 AM 10-07-03 1945 (JAQ)
5170	E10	VLB2 AM 11-07-03 1845 (JAQ)
5170	E10	VLB2 AM 11-07-03 1945 (JAQ)
5170	E10	VLB2 AM 13-07-03 2145 (JAQ)
5170	E10	VLB2 AM 13-07-03 2245 (JAQ)
5170	E10	VLB2 AM 15-07-03 2045 (JAQ)
5170	E10	VLB2 AM 15-07-03 2145 (JAQ)
5170	E10	VLB2 AM 17-07-03 2145 (JAQ)
5170	E10	VLB2 AM 17-07-03 2245 (JAQ)
5170	E10	VLB2 AM 17-07-03 2245 (JAQ)
5170	E10	VLB2 AM 17-07-03 2345 (JAQ)
5170	E10	VLB2 AM 20-07-03 1945 (JAQ)
5170	E10	VLB2 AM 21-07-03 2145 (JAQ)
5170	E10	VLB2 AM 21-07-03 2245 (JAQ)
5170.0	E10	VLB2. Short transmission out of the usual time slot. USB 02-07-03 Wed 2131 (JS3)
5170.0	E10	VLB2 USB 05-07-03 Sat 0045 (BS4)
5170.0	E10	VLB2//7690 USB 12-07-03 Sat 0345 (BS4)
5170.0	E10	Stronger than 4880 transmission, but not as strong as 11565 transmission USB 17-07-03 Thu 0002 (CA2)
5220	M21	Russian Air Defernse. =992314??t???? =992315??t???? CW 03-07-03 Thu 1914 (PPI)
5230	E10	CI02 AM 06-07-03 2145 (JAQ)
5230	E10	CI02 AM 10-07-03 1945 (JAQ)
5230	E10	CI02 AM 15-07-03 2045 (JAQ)
5230	E10	CI02 AM 17-07-03 2145 (JAQ)
5230	E10	CI02 AM 17-07-03 2345 (JAQ)
5230	E10	CI02 AM 20-07-03 1945 (JAQ)
5230	E10	CI02 AM 21-07-03 2145 (JAQ)
5230	E10	CI02 AM 21-07-03 2245 (JAQ)
5230.0	E10	CI02. Short transmission out of the usual time slot. USB 02-07-03 Wed 2131 (JS3)
5230.0	E10	CI02//7811 USB 05-07-03 Sat 0045 (BS4)
5230.0	E10	CI02//7811 USB 12-07-03 Sat 0345 (BS4)
5250	M51	in progress NR52J 30 23 etc //5377 kHz CW 30-07-03 Wed 2131 (RGA)
5339	E10	KPA2 AM 06-07-03 0015 (JAQ)
5339	E10	KPA2 AM 06-07-03 2115 (JAQ)
5339	E10	KPA2 AM 06-07-03 2215 (JAQ)
5339	E10	KPA2 AM 06-07-03 2315 (JAQ)

5339	E10	KPA2 AM 10-07-03	1915 (JAQ)
5339	E10	KPA2 AM 11-07-03	1915 (JAQ)
5339	E10	KPA2 AM 13-07-03	2115 (JAQ)
5339	E10	KPA2 AM 13-07-03	2215 (JAQ)
5339	E10	KPA2 AM 15-07-03	2115 (JAQ)
5339	E10	KPA2 AM 17-07-03	2115 (JAQ)
5339	E10	KPA2 AM 17-07-03	2200 (JAQ)
5339	E10	KPA2 AM 17-07-03	2315 (JAQ)
5339	E10	KPA2 AM 18-07-03	0015 (JAQ)
5339	E10	KPA2 AM 20-07-03	1915 (JAQ)
5339	E10	KPA2 AM 20-07-03	2015 (JAQ)
5339	E10	KPA2 AM 21-07-03	2115 (JAQ)
5339	E10	KPA2 AM 21-07-03	2215 (JAQ)
5339	E10	KPA2 AM 21-07-03	2315 (JAQ)
5377	M51	in progress NR52J 30 23 etc //5250 kHz CW 30-07-03 Wed 2131 (RGA)	
5417.0	V02A	USB 04-07-03 Fri	0200 (DM)
5430	E10	ART AM 02-07-03	0002 (JAQ)
5430	E10	ART2 AM 06-07-03	0000 (JAQ)
5430	E10	ART AM 06-07-03	2130 (JAQ)
5430	E10	ART AM 06-07-03	2230 (JAQ)
5430	E10	ART AM 15-07-03	2130 (JAQ)
5430	E10	ART AM 17-07-03	2230 (JAQ)
5435	E10	ART AM 02-07-03	2331 (JAQ)
5435	E10	ART AM 06-07-03	2300 (JAQ)
5435	E10	ART2 AM 10-07-03	1900 (JAQ)
5435	E10	ART AM 11-07-03	1830 (JAQ)
5435	E10	ART2 AM 11-07-03	1900 (JAQ)
5435	E10	ART AM 11-07-03	1930 (JAQ)
5435	E10	ART AM 11-07-03	2000 (JAQ)
5435	E10	ART AM 13-07-03	2130 (JAQ)
5435	E10	ART AM 13-07-03	2230 (JAQ)
5435	E10	ART AM 13-07-03	2300 (JAQ)
5435	E10	ART AM 15-07-03	2100 (JAQ)
5435	E10	ART2 AM 15-07-03	2200 (JAQ)
5435	E10	ART AM 17-07-03	2130 (JAQ)
5435	E10	ART AM 17-07-03	2300 (JAQ)
5435	E10	ART AM 17-07-03	2330 (JAQ)
5435	E10	ART AM 18-07-03	0030 (JAQ)
5435	E10	ART2 AM 20-07-03	1900 (JAQ)
5435	E10	ART AM 20-07-03	1930 (JAQ)
5435	E10	ART AM 20-07-03	2000 (JAQ)
5435	E10	ART AM 20-07-03	2030 (JAQ)
5435	E10	ART2 AM 21-07-03	2100 (JAQ)
5435	E10	ART AM 21-07-03	2130 (JAQ)
5435	E10	ART AM 21-07-03	2200 (JAQ)
5435	E10	ART AM 21-07-03	2230 (JAQ)
5435	E10	ART AM 21-07-03	2300 (JAQ)

5435 E10 in progress AM 25-07-03 Fri 2041 (PP1)
5435.0 E10 ART 93 QYEQO USB 02-06-03 Mon 2200 (GG)
5435.0 E10 ART 38 SREVV USB 02-06-03 Mon 2300 (GG)
5435.0 E10 ART 14 WWTFR USB 02-06-03 Mon 2330 (GG)
5435.0 E10 ART 23 YCCRA USB 03-06-03 Tue 0000 (GG)
5435.0 E10 ART 93 QYEQO (+ULX call-up in the bkg for about 50s)
USB 03-06-03 Tue 0200 (GG)
5435.0 E10 ART USB 15-06-03 Sun 0000 (GG)
5435.0 E10 ART2 USB 16-06-03 Mon 2100 (GG)
5435.0 E10 ART 25 (too weak to copy) USB 20-06-03 Fri 2030 (GG)
5435.0 E10 ART2 USB 20-06-03 Fri 2100 (GG)
5435.0 E10 ART 85 (too weak to copy) USB 20-06-03 Fri 2130 (GG)
5435.0 E10 ART 25 ???NH USB 21-06-03 Sat 2030 (GG)
5435.0 E10 ART2 USB 21-06-03 Sat 2100 (GG)
5435.0 E10 ART 2 msgs: 96 KQEU / 37 SWHFR USB 21-06-03 Sat 2200
(GG)
5435.0 E10 ART USB 22-06-03 Sun 2030 (GG)
5435.0 E10 ART2 USB 22-06-03 Sun 2100 (GG)
5435.0 E10 ART USB 02-07-03 Wed 0130 (BS4)
5435.0 E10 ART USB 02-07-03 Wed 0200 (BS4)
5435.0 E10 ART USB 04-07-03 Fri 0200 (GG)
5435.0 E10 ART USB 08-07-03 Tue 0130 (BS4)
5435.0 E10 ART2 USB 12-07-03 Sat 0000 (GG)
5435.0 E10 ART 18 DROOM USB 12-07-03 Sat 0200 (BS4)
5435.0 E10 ART in tfc USB 17-07-03 Thu 0200 (BS4)
5435.0 E10 Very weak / barely readable USB 18-07-03 Fri 0200
5435.0 E10 Fair / strong signal, Calling ART, then into message
of 5_ groups USB 19-07-03 Sat 0130 (CA2)
5435.0 E10 Weak / Poor signal, Calling ART then into message USB
19-07-03 Sat 0200 (CA2)
5435.0 E10 Poor/Fair signal, tuned in during message USB 20-07-03
Sun 0145 (CA2)
5435.0 E10 Weak/Poor signal, calling ART then into message 14
groups long USB 20-07-03 Sun 0200 (CA2)
5435.0 E10 Poor/Fair signal, tuned in during message USB 20-07-03
Sun 0215 (CA2)
5437.0 E10 ART 38 KMGZG USB 15-06-03 Sun 0030 (GG)
5465.8 MX Channel marker "R", Izhevsk CW 30-07-03 Wed 2143 (RGA)
5466 M13 378 CW 07-07-03 Mon 2100 (HFD)
5466 M13 378 CW 21-07-03 Mon 2100 (HFD)
5686 M13 346 CW 22-07-03 Tue 2100 (HFD)
5686 M13 346 CW 23-07-03 Wed 2100 (HFD)
5735 M10 555:048-53/39= 35871 777-01/29= 32703 //3808 CW
21-07-03 Mon 2100 (HFD)
5737 M10 555:048-53/39= 35871 777-01/29= 32703 //3808 CW
23-07-03 Wed 2100 (HFD)
5746.0 E03 23285 USB 12-06-03 Thu 2100 (GG)
5762.0 V02A AM 05-07-03 Sat 0200 (DM)

5762.0 V02a A 48713 85493 ????1; extremely poor audio AM 12-07-03
 Sat 0400 (BM)
 5820 E10 YHF2 AM 17-07-03 2130 (JAQ)
 5820.0 E10 YHF 82 ZPCNV USB 12-06-03 Thu 2200 (GG)
 5820.0 E10 YHF 82 ZPCNV USB 12-06-03 Thu 2200 (GG)
 5820.0 E10 YHF2 USB 13-06-03 Fri 0200 (GG)
 5820.0 E10 YHF2 USB 13-06-03 Fri 0230 (GG)
 5820.0 E10 YHF2 USB 14-06-03 Sat 2130 (GG)
 5820.0 E10 YHF 44 OVKFS USB 14-06-03 Sat 2200 (GG)
 5820.0 E10 YHF2 USB 16-06-03 Mon 0200 (GG)
 5820.0 E10 YHF2 USB 20-06-03 Fri 2300 (GG)
 5820.0 E10 YHF2 USB 21-06-03 Sat 0200 (GG)
 5820.0 E10 YHF2 USB 21-06-03 Sat 0230 (GG)
 5820.0 E10 YHF2 USB 22-06-03 Sun 0200 (GG)
 5820.0 E10 YHF2 USB 22-06-03 Sun 0230 (GG)
 5860 M10 555 048 39 777 24 //3808 kHz CW 24-07-03 Thu 0400
 5860.0 M10 555x3 767x3 28 478x3 34 (R5) (weak signal) CW 05-07-03
 Sat 0400 (MS)
 5860.0 M10 555x3 767x3 28 478x3 34 (R5) CW 06-07-03 Sun 0400 (MS)
 5860.0 M10 555x3 767x3 28 478x3 34 (R5) CW 08-07-03 Tue 0400 (MS)
 5878 M13 411 CW 20-07-03 Sun 2030 (HFD)
 5878.0 M13 411 (R5) (very weak! unable to copy further) CW
 19-07-03 Sat 0430 (MS)
 5878.0 M13 411 (R5) BT 251 .. BT (very weak) CW 20-07-03 Sun
 0430 (MS)
 5945 M10 555:728-###/30 124-###/24 CW 17-07-03 Thu 1800 (HFD)
 5945 M10 555:331-24/30= 41607 221-89/31= 71542 //9166 CW
 22-07-03 Tue 2200 (HFD)
 6270 E10 ULX AM 11-07-03 1830 (JAQ)
 6270 E10 ULx2 AM 11-07-03 1930 (JAQ)
 6270 E10 ULX2 AM 20-07-03 1930 (JAQ)
 6270 E10 ULX AM 20-07-03 2030 (JAQ)
 6270.0 E10 ULX USB 08-06-03 Sun 2300 (GG)
 6270.0 E10 ULX 27 STM0Z//7760 USB 03-07-03 Thu 0100 (BS4)
 6270.0 E10 ULX 27 STM0Z//7760 USB 05-07-03 Sat 0100 (BS4)
 6270.0 E10 ULX 27 STM0Z//7760 USB 08-07-03 Tue 0100 (BS4)
 6270.0 E10 ULX 27 STM0Z//7760 USB 17-07-03 Thu 0100 (BS4)
 6390 E10 MIW ATD AM 19-07-03 Sat 0700 (FI)
 6498.0 E10 PCD 143 ?HL?? USB 17-06-03 Tue 0030 (GG)
 6498.0 E10 PCD USB 23-06-03 Mon 2230 (GG)
 6498.0 E10 PCD2 USB 05-07-03 Sat 0030 (BS4)
 6498.0 E10 PCD2 USB 08-07-03 Tue 0030 (BS4)
 6498.0 E10 PCD2 USB 16-07-03 Wed 0330 (BS4)
 6680 M40 vvv cq 466,437 CW 23-07-03 Wed 0200 (IB)
 6683 G22 186 - nr247 gr 21 = 64406 AM 03-07-03 Thu 2200 (GN)
 6758 S17C 72044 AM 05-07-03 Sat 1250 (HFD)
 6758 S17C 67032 AM 06-07-03 Sun 1250 (HFD)
 6758 S17C 00040 AM 17-07-03 Thu 1250 (HFD)

6758	S17C	77058 AM 19-07-03 Sat 1250 (HFD)
6758	S17C	69036 AM 26-07-03 Sat 1250 (HFD)
6780	M10	555 228 25 776 22 CW 02-07-03 Wed 0410 (PB)
6780	M10	555 706 28 292 21 CW 05-07-03 Sat 0410 (PB)
6780	M10	555 864 17 477 23 CW 12-07-03 Sat 0410 (PB)
6780.0	M10	555x3 041x3 35 277x3 31 (R5) (rpt of 0210z on 7380m) CW 19-07-03 Sat 0410 (MS)
6837.0	V02	Atencion 132-74. rpt of 0703. Wish I knew why they went to old format AM 27-07-03 Sun 0733 (DM2)
6840	E10	EZI AM 06-07-03 2130 (JAQ)
6840	E10	EZI AM 06-07-03 2200 (JAQ)
6840	E10	EZI2 AM 10-07-03 1900 (JAQ)
6840	E10	EZI AM 13-07-03 2130 (JAQ)
6840	E10	EZI AM 13-07-03 2200 (JAQ)
6840	E10	EZI AM 15-07-03 2130 (JAQ)
6840	E10	EZI AM 20-07-03 1900 (JAQ)
6840	E10	EZI AM 20-07-03 2030 (JAQ)
6840	E10	EZI2 AM 21-07-03 2130 (JAQ)
6840	E10	EZI AM 21-07-03 2200 (JAQ)
6840.0	E10	EZI 2 msgs : 94 CNMPB/15 EFGFD USB 13-06-03 Fri 2330 (GG)
6840.0	E10	EZI 15 JQCJG USB 16-06-03 Mon 2130 (GG)
6840.0	E10	EZI USB 23-06-03 Mon 0230 (GG)
6840.0	E10	EZI 2 msgs: 96 XZGZT/18 CDJUS USB 28-06-03 Sat 2200 (GG)
6840.0	E10	EZI 109 XHQWZ USB 29-06-03 Sun 2030 (GG)
6840.0	E10	EZI 2 msgs: 96 XZGZT/18 CDJUS USB 29-06-03 Sun 2200 (GG)
6840.0	E10	EZI 86 ZUTLB USB 29-06-03 Sun 2330 (GG)
6840.0	E10	EZI AM 01-07-03 Tue 0130 (DM)
6840.0	E10	EZI ?? ?????, 32 IYYQO USB 02-07-03 Wed 0130 (BS4)
6840.0	E10	EZI 86 ZVTLB//9130, 11565 USB 03-07-03 Thu 2330 (BS4)
6840.0	E10	EZI2//9130, 11565 USB 05-07-03 Sat 0100 (BS4)
6840.0	E10	EZI ZVTLB USB 05-07-03 Sat 2330 (DM)
6840.0	E10	EZI2//9130 AM 08-07-03 Tue 0100 (BS4)
6840.0	E10	EZI 87 TMTCG//9130 USB 08-07-03 Tue 0130 (BS4)
6840.0	E10	EZI 86 ZVTLB USB 11-07-03 Fri 2330 (GG)
6840.0	E10	EZI 86 ZVTLB USB 11-07-03 Fri 2330 (GG)
6840.0	E10	EZI 87 TMTCG//9130 USB 12-07-03 Sat 0130 (BS4)
6840.0	E10	EZI 86 ZVTLB USB 12-07-03 Sat 2330 (GG)
6840.0	E10	EZI 86 ZVTLB USB 12-07-03 Sat 2330 (GG)
6840.0	E10	EZI 86 ZVTLB USB 16-07-03 Wed 2330 (GG)
6840.0	E10	EZI2//9130, 11565 USB 17-07-03 Thu 0100 (BS4)
6840.0	E10	EZI ?? ?????, 25 ITIJD//9130 USB 17-07-03 Thu 0130
6840.0	E10	EZI BCDWF USB 17-07-03 Thu 0225 (DM)
6840.0	E10	EZI 14 GVJRP//9130 USB 17-07-03 Thu 0230 (BS4)
6840.0	E10	Group 75, AAYJV USB 17-07-03 Thu 1916 (HP)
6840.0	E10	EZI 14 AHFQT USB 18-07-03 Fri 2030 (GG)

6840.0 E10 EZI 12 LKZTI USB 18-07-03 Fri 2130 (GG)
6840.0 E10 EZI 65 JQRRX USB 18-07-03 Fri 2200 (GG)
6840.0 E10 EZI 86 ZVTLB USB 18-07-03 Fri 2330 (GG)
6840.0 E10 Poor / fair signal, Calling EZI, off at 1:38 Maybe
a message, or maybe E10 USB 19-07-03 Sat 0130 (CA2)
6840.0 E10 EZI GVJRP //9130 USB 19-07-03 Sat 0230 (DM)
6840.0 E10 Weak / poor signal, with message USB 19-07-03 Sat 0230
(CA2)
6840.0 E10 Poor/Fair signal, Calling EZI2, Null message USB
20-07-03 Sun 0100 (CA2)
6840.0 E10 Poor/Fair, repeating EZI2, Null message USB 20-07-03
Sun 0130 (CA2)
6840.0 E10 Poor/Fair signal, calling EZI then into message USB
20-07-03 Sun 0230 (CA2)
6840.0 E10 EZI DTDYA //9130 USB 20-07-03 Sun 0230 (DM)
6840.0 E10 Calling EZI then into message, weak/poor signal USB
30-07-03 Wed 0130 (CA2)
6887 G06 842-657/39=01290 AM 14-07-03 Mon 1830 (HFD)
6912.0 E10 SYN2 (probably start: 1845) - 10-15 minutes
interference from an X-station. AM 01-07-03 Tue 1910
6912.0 E10 SYN2 in progress, probably start: 20.45 USB 02-07-03
Wed 2100 (JS3)
6912.0 E10 SYN2//8025 USB 05-07-03 Sat 0045 (BS4)
6912.0 E10 SYN2//8025 USB 12-07-03 Sat 0345 (BS4)
6912.0 E10 SYN2/8025 USB 31-07-03 Thu 2045 (JS3)
6930 E10 MIW2 AM 02-07-03 2315 (JAQ)
6930 E10 MIW2 AM 06-07-03 0015 (JAQ)
6930 E10 MIW2 AM 06-07-03 2115 (JAQ)
6930 E10 MIW2 AM 06-07-03 2215 (JAQ)
6930 E10 MIW2 AM 06-07-03 2330 (JAQ)
6930 E10 MIW2 AM 10-07-03 1915 (JAQ)
6930 E10 MIW2 AM 11-07-03 1915 (JAQ)
6930 E10 MIW2 AM 13-07-03 2115 (JAQ)
6930 E10 MIW2 AM 13-07-03 2215 (JAQ)
6930 E10 MIW2 AM 15-07-03 2115 (JAQ)
6930 E10 MIW2 AM 20-07-03 1915 (JAQ)
6930 E10 MIW2 AM 20-07-03 2015 (JAQ)
6930 E10 MIW2 AM 21-07-03 2115 (JAQ)
6930 E10 MIW2 AM 21-07-03 2215 (JAQ)
6930 E10 MIW2 AM 21-07-03 2315 (JAQ)
6930.0 E10 MIW2//4360, 7605 USB 05-07-03 Sat 0115 (BS4)
6930.0 E10 MIW2 USB 12-07-03 Sat 0415 (BS4)
6930.0 E10 MIW2//4360 USB 17-07-03 Thu 0115 (BS4)
6930.0 E10 Fair / strong signal, Calling MIW2, Null Message USB
19-07-03 Sat 0215 (CA2)
6930.0 E10 Fair/Strong signal, repeating MIW2, Null message USB
20-07-03 Sun 0115 (CA2)
6930.0 E10 Fair/Strong signal, repeating MIW2, Null message USB

20-07-03 Sun 0200 (CA2)
 6930.0 E10 Fair/Strong signal, repeating SYN2, Null message USB
 20-07-03 Sun 0245 (CA2)
 6930.0 E10a MIW 2 USB 17-07-03 Thu 1916 (HP)
 6959.0 E03 23285 USB 12-06-03 Thu 2100 (GG)
 6959.0 E03 19294 USB 13-06-03 Fri 2100 (GG)
 6959.0 E03 23285 USB 13-06-03 Fri 2200 (GG)
 6959.0 E03 90821 USB 16-06-03 Mon 2200 (GG)
 6959.0 E03 90821 USB 29-06-03 Sun 2100 (GG)
 6959.0 E03 45062 USB 26-07-03 Sat 2300 (GG)
 6986.0 E10 ART 18 ISWKL USB 16-07-03 Wed 0400 (BS4)
 7038.7 MX Cluster beacon "D" CW 03-07-03 Thu 2047 (AB)
 7038.9 MX Cluster beacon "S" CW 22-07-03 Tue 2115 (AB)
 7077.5 MX Cluster beacon "D". Probably spurious CW 03-07-03 Thu
 2047 (AB)
 7358.0 E10 FTJ 2 msgs : 47 TYUEA/34 GZNMK USB 16-06-03 Mon 2100
 (GG)
 7380 M10 555:122-03/21= 42008 288-33/29= 59249 //10923 CW
 29-07-03 Tue 1410 (HFD)
 7380.0 M10 555x3 228x3 26 776x3 22 (R5) CW 03-07-03 Thu 0210 (MS)
 7380.0 M10 555x3 706x3 .. 292x3 .. (R5) (very weak, heavy QRN,
 copy unreliable) CW 05-07-03 Sat 0210 (MS)
 7380.0 M10 555x3 041x3 35 277x3 31 (R5) CW 19-07-03 Sat 0210 (MS)
 7605 E10 MIW2 AM 17-07-03 2115 (JAQ)
 7605 E10 MIW2 AM 17-07-03 2200 (JAQ)
 7605 E10 MIW2 AM 17-07-03 2315 (JAQ)
 7605 E10 MIW2 AM 18-07-03 0015 (JAQ)
 7605.0 E10 MIW2//4360, 6930 USB 05-07-03 Sat 0115 (BS4)
 7605.0 E10 MIW2 USB 16-07-03 Wed 0315 (BS4)
 7605.0 E10 Poor/ fair signal, Calling MIW2, Null Message USB
 19-07-03 Sat 0215 (CA2)
 7605.0 E10 Poor/Fair signal, repeating MIW2, Null message USB
 20-07-03 Sun 0115 (CA2)
 7605.0 E10 Poor/Fair signal, repeating MIW2, Null message USB
 20-07-03 Sun 0215 (CA2)
 7605.0 E10a MIW 2 USB 17-07-03 Thu 1918 (HP)
 7608 S06 176:0 AM 01-07-03 Tue 1900 (HFD)
 7630.0 M23 555 (R10) CW 04-07-03 Fri 0400 (MS)
 7630.0 M23 555 (R10) CW 06-07-03 Sun 0400 (MS)
 7635 E17 274 repeated, then 115 30 24852 03473 etc, ended
 115 30 00000 AM 24-07-03 Thu 0710 (RiN)
 7690.0 E10 VLB2 USB 08-07-03 Tue 0145 (BS4)
 7690.0 E10 VLB2//5170 USB 12-07-03 Sat 0345 (BS4)
 7697.0 E10 VLB2. Short transmission out of the usual time slot.
 USB 02-07-03 Wed 2205 (JS3)
 7745 M10 555:442-01/33= 35443 224-52/22= 05338 //5076 CW
 21-07-03 Mon 1700 (HFD)
 7745 M10 555:442-01/33= 35443 224-52/22= 06338 //5076 CW

22-07-03 Tue 1700 (HFD)
 7760.0 E10 ULX 27 STM0Z//6270 USB 03-07-03 Thu 0100 (BS4)
 7760.0 E10 ULX 27 STM0Z//6270 USB 05-07-03 Sat 0100 (BS4)
 7760.0 E10 ULX2 USB 06-07-03 Sun 0430 (BS4)
 7760.0 E10 ULX 27 STM0Z//6270 USB 08-07-03 Tue 0100 (BS4)
 7760.0 E10 ULX2 USB 16-07-03 Wed 0430 (BS4)
 7760.0 E10 ULX 27 STM0Z//6270 USB 17-07-03 Thu 0100 (BS4)
 7760.0 E10 Weak / poor signal, sounded like group 23 or 27 USB
 19-07-03 Sat 0100 (CA2)
 7760.0 E10 Poor/Fair signal, Calling ULA? then into message,
 sounded like group 27 or 29 USB 20-07-03 Sun 0100
 7811.0 E10 CI02 AM 04-07-03 Fri 1930 (JS3)
 7811.0 E10 CI02//5230 USB 05-07-03 Sat 0045 (BS4)
 7811.0 E10 CI02//5230 USB 12-07-03 Sat 0345 (BS4)
 7811.0 E10 Poor / fair signal, Calling CI02, Null message USB
 19-07-03 Sat 0145 (CA2)
 7811.0 E10 Poor / fair signal, Calling CI02, Null Message USB
 19-07-03 Sat 0245 (CA2)
 7811.0 E10 Poor/Fair signal, repeating CI02, Null message USB
 20-07-03 Sun 0145 (CA2)
 7811.0 E10 Fair/Strong signal, repeating CI02, Null message USB
 20-07-03 Sun 0245 (CA2)
 7811.0 E10 CI02 AM 31-07-03 Thu 2045 (JS3)
 7834 M13 417 CW 27-07-03 Sun 1900 (HFD)
 7834 M13 417 226 21 CW 28-07-03 Mon 1900 (JP)
 7918.0 E10 YHF2 USB 13-06-03 Fri 0200 (GG)
 7918.0 E10 YHF2 USB 13-06-03 Fri 0230 (GG)
 7918.0 E10 YHF2 USB 16-06-03 Mon 0200 (GG)
 7918.0 E10 YHF2 USB 16-06-03 Mon 0230 (GG)
 7918.0 E10 YHF2 USB 20-06-03 Fri 0230 (GG)
 7918.0 E10 YHF2 USB 21-06-03 Sat 0200 (GG)
 7918.0 E10 YHF2 USB 21-06-03 Sat 0230 (GG)
 7918.0 E10 YHF2 USB 22-06-03 Sun 0200 (GG)
 7918.0 E10 YHF2 USB 22-06-03 Sun 0230 (GG)
 7918.0 E10 YHF 9 VDBTD USB 02-07-03 Wed 0130 (BS4)
 7918.0 E10 YHF 9 SJGGX, 45 WLLYO USB 08-07-03 Tue 0130 (BS4)
 7918.0 E10 YHF 9 SZGGX, 45 WLLYO USB 12-07-03 Sat 0130 (BS4)
 7918.0 E10 YHF 9 SZGGX, ?? ????? USB 17-07-03 Thu 0130 (BS4)
 7918.0 E10 YHF2 USB 17-07-03 Thu 0230 (BS4)
 7918.0 E10 Weak / poor signal, with message, off at 1:50 USB
 19-07-03 Sat 0145 (CA2)
 7918.0 E10 Inaudible/Very Weak signal, bdcasting call sign or
 message USB 20-07-03 Sun 0130 (CA2)
 7918.0 E10 Weak/Poor signal, repeating YEF2?, Null message USB
 20-07-03 Sun 0230 (CA2)
 7940 M87 684 684 684 684 684 684 000 CW 14-07-03 Mon 0000
 8010.0 M08a ID 49181 60662 70822 CW 04-07-03 Fri 0800 (MS)
 8010.0 M08a ID 60011 73691 07391 CW 07-07-03 Mon 0800 (MS)

8010.0 M08a ID 86652 67471 87741 (rpt of 0700z on 9238m) CW
14-07-03 Mon 0800 (MS)
8010.0 M08a (in progress - missed calls) CW 21-07-03 Mon 0800 (MS)
8010.0 V02A Missed s/on, but last message had ID 80543 AM 18-07-03
Fri 0602 (DM2)
8025.0 E10 SYN2//6912 USB 05-07-03 Sat 0045 (BS4)
8025.0 E10 SYN2//6912 USB 12-07-03 Sat 0345 (BS4)
8025.0 E10 Poor / fair signal, Calling SYN2, Null Message USB
19-07-03 Sat 0145 (CA2)
8025.0 E10 Fair / strong signal, Calling SYN2, Null Message USB
19-07-03 Sat 0245 (CA2)
8025.0 E10 Weak/Poor signal, repeating SYN2, Null message USB
20-07-03 Sun 0145 (CA2)
8025.0 E10 Poor/Fair signal, repeating SYN2, Null message USB
20-07-03 Sun 0245 (CA2)
8025.0 E10 SYN2/6912 AM 31-07-03 Thu 2045 (JS3)
8136.0 M08a ID 63352 28641 44673 CW 05-07-03 Sat 1100 (MS)
8136.0 M08a ID 97461 03642 08711 (stopped sending at 1002z) CW
06-07-03 Sun 1000 (MS)
8136.0 M08a ID 88183 43792 85502 CW 19-07-03 Sat 1100 (MS)
8136.0 V02a (in progress - missed callups) USB 06-07-03 Sun 0900
8143 M10 555:244-82/31= 45430 133-96/40= 67329 //12226 CW
20-07-03 Sun 1920 (HFD)
8143 M10 555:244-82/31= 45430 133-96/40= 67329 //12226 CW
21-07-03 Mon 1920 (HFD)
8175 M10 555:331-58/31= 04469 846-46/19= 75580 //5076 CW
23-07-03 Wed 1700 (HFD)
8175 M10 555:331-58/31= 04469 846-46/19= 75580 //5077 CW
24-07-03 Thu 1700 (HFD)
8175 S10D 555:624-17/27= 16614 AM 17-07-03 Thu 0450 (HFD)
8175 S10D 555:182-83/33= 40328 AM 17-07-03 Thu 0720 (HFD)
8175 S10d very poor AM 21-07-03 Mon 0450 (PB)
8186.0 M08a ID 63902 93101 27373 CW 26-07-03 Sat 1100
8190 M10 555:986-98/33= 39470 808-19/50= 81722 //12295 CW
25-07-03 Fri 1720 (HFD)
8190 S10D 555:689-37/42= 63420 219-56/35= 65310 //13502 AM
21-07-03 Mon 1740 (HFD)
8190 S10D 555:689-37/42= 63420 219-###/35= ##### //13502 AM
22-07-03 Tue 1740 (HFD)
8190 S10D 555:211-58/28= 25080 374-92/27= 24121 AM 29-07-03 Tue
1740 (HFD)
8251 E07 246:0 AM 02-07-03 Wed 0510 (HFD)
8251 E07 246:0 AM 09-07-03 Wed 0510 (HFD)
8251 E07 246:1-4818/111= 69375 AM 16-07-03 Wed 0510 (HFD)
8495 MX Cluster beacon "C" CW 22-07-03 Tue 2115 (AB)
8688 M13 201 CW 10-07-03 Thu 1500 (HFD)
8688 M13 201 CW 24-07-03 Thu 1700 (HFD)
8805.0 E10 PCD USB 06-07-03 Sun 0430 (BS4)

8805.0 E10 PCD 49 AQUJA USB 16-07-03 Wed 0430 (BS4)
8805.0 E10a PCD 2 USB 17-07-03 Thu 1732 (HP)
9060.0 M08a ID 93271 03081 ----- CW 09-07-03 Wed 0500 (MS)
9060.0 M08a ID 89053 99831 91793 (rpt of 0300z on 10343m) CW
10-07-03 Thu 0400 (MS)
9060.0 M08a ID 67711 59642 85502 (rpt of 0400z on 10234m) CW
20-07-03 Sun 0500 (MS)
9060.0 M08a in progress CW 24-07-03 Thu 0424 (DM2)
9061.0 M08a ID 67713 59643 27373 (RIIAD WMRUD NIDID) rpt of 0400
xmsn CW 27-07-03 Sun 0500 (DM2)
9062.0 M08a ID 18791 24723 27371 (AGIMA NUIND NIDIA) CW 25-07-03
Fri 0500 (DM2)
9062.0 M08a in progress CW 27-07-03 Sun 0715 (DM2)
9063.0 V02A Atencion 03692 11031 80543 AM 18-07-03 Fri 0700 (DM2)
9130 E10 EZI. 2 msgs. Gr60 CMIDA QEULV AM 09-04-03 2000
9130 E10 EZI AM 06-07-03 2130 (JAQ)
9130 E10 EZI AM 06-07-03 2200 (JAQ)
9130 E10 EZI AM 06-07-03 2230 (JAQ)
9130 E10 EZI AM 06-07-03 2330 (JAQ)
9130 E10 EZI2 AM 10-07-03 1900 (JAQ)
9130 E10 EZI AM 11-07-03 1830 (JAQ)
9130 E10 EZI2 AM 11-07-03 1900 (JAQ)
9130 E10 EZI AM 11-07-03 2000 (JAQ)
9130 E10 EZI AM 13-07-03 2130 (JAQ)
9130 E10 EZI AM 13-07-03 2200 (JAQ)
9130 E10 EZI AM 13-07-03 2230 (JAQ)
9130 E10 EZI AM 15-07-03 2100 (JAQ)
9130 E10 EZI AM 15-07-03 2130 (JAQ)
9130 E10 Ezi AM 20-07-03 1900 (JAQ)
9130 E10 EZI AM 20-07-03 2000 (JAQ)
9130 E10 EZI AM 20-07-03 2030 (JAQ)
9130 E10 ART2 AM 21-07-03 2130 (JAQ)
9130 E10 EZI AM 21-07-03 2200 (JAQ)
9130 E10 EZI AM 21-07-03 2230 (JAQ)
9130 E10 EZI 14gr AM 23-07-03 Wed 2130 (FG)
9130 E10 EZI group 8 6 AM 26-07-03 Sat 1730 (PP1)
9130.0 E10 EZI 2 msgs USB 25-06-03 Wed 2200 (GG)
9130.0 E10 EZI 63 UALNO USB 25-06-03 Wed 2230 (GG)
9130.0 E10 EZI 86 ZUTLB USB 25-06-03 Wed 2330 (GG)
9130.0 E10 EZI 37 GC?AB USB 26-06-03 Thu 0230 (GG)
9130.0 E10 EZI USB 03-07-03 Thu 1730 (GG)
9130.0 E10 EZI 86 ZVTLB//6840, 11565 USB 03-07-03 Thu 2330 (BS4)
9130.0 E10 EZI2//6840, 11565 USB 05-07-03 Sat 0100 (BS4)
9130.0 E10 ZVTLB USB 06-07-03 Sun 2330 (DM)
9130.0 E10 EZI2//6840 USB 08-07-03 Tue 0100 (BS4)
9130.0 E10 EZI 87 TMT CG//6840 USB 08-07-03 Tue 0130 (BS4)
9130.0 E10 EZI 87 TMT CG//6840 USB 12-07-03 Sat 0130 (BS4)
9130.0 E10 EZI 65 JQRRX/11565, 13533 USB 12-07-03 Sat 2000 (JS3)

9130.0 E10 EZI 16 LBAIF USB 14-07-03 Mon 0230 (GG)
 9130.0 E10 EZI in tfc USB 16-07-03 Wed 0300 (BS4)
 9130.0 E10 EZI USB 16-07-03 Wed 0430 (BS4)
 9130.0 E10 EZI 86 ZVTLB USB 16-07-03 Wed 2330 (GG)
 9130.0 E10 EZI2//6840, 11565 USB 17-07-03 Thu 0100 (BS4)
 9130.0 E10 EZI ?? ?????, 25 ITIJD//6840 USB 17-07-03 Thu 0130
 9130.0 E10 EZI2 USB 17-07-03 Thu 0200 (BS4)
 9130.0 E10 EZI 14 GVJRP//6840 USB 17-07-03 Thu 0230 (BS4)
 9130.0 E10 EZI 63 UALNO//11565 USB 17-07-03 Thu 0300 (BS4)
 9130.0 E10 EZI, Group 86, ZVTLB USB 17-07-03 Thu 1734 (HP)
 9130.0 E10 EZI GVJRP //6840 USB 19-07-03 Sat 0230 (DM)
 9130.0 E10 EZI DTDYA //6840 USB 20-07-03 Sun 0230 (DM)
 9130.0 E10 Inaudible/Very Weak signal, with message USB 20-07-03
 Sun 0245 (CA2)
 9130.0 E10 Calling EZI2, Null message, poor/fair signal USB
 30-07-03 Wed 0200 (CA2)
 9130.0 E10a Repeating EZI and gone at 2:05 USB 18-07-03 Fri 0200
 9130.0 E10a Repeating EZI and gone at 01:05 USB 19-07-03 Sat 0100
 (CA2)
 9151.0 M08a ID 88183 43792 85502 (rpt of 1100z on 8136m) CW
 19-07-03 Sat 1200 (MS)
 9152.0 M08a ID 63902 93101 27373 (rpt of 1100z on 8186m) CW
 26-07-03 Sat 1200
 9153.0 M08a ID 47522 13243 44672 CW 04-07-03 Fri 1000 (MS)
 9153.0 M08a ID 45581 06031 20542 CW 07-07-03 Mon 1000 (MS)
 9153.0 M08a ID 97463 08713 51013 CW 11-07-03 Fri 1000 (MS)
 9153.0 M08a ID 30541 77953 49302 CW 14-07-03 Mon 1000 (MS)
 9166 M10 555 847 38 389 38 CW 21-07-03 Mon 0450 (PB)
 9166 M10 999:847-79/38= 34522 389-48/38= 40210 CW 22-07-03 Tue
 0450 (HFD)
 9166 M10 555:331-24/30= 41607 221-89/31= 71542 //5945 CW
 22-07-03 Tue 2200 (HFD)
 9184 M13 272 CW 01-07-03 Tue 2100 (HFD)
 9202 E10 YHF 1 AM 31-07-03 Thu 0300 (MCO)
 9202.0 E10 YHF2 USB 02-07-03 Wed 0200 (BS4)
 9202.0 E10 YHF USB 06-07-03 Sun 0430 (BS4)
 9202.0 E10 YHF2 USB 12-07-03 Sat 0200 (BS4)
 9202.0 E10 YHF2 USB 17-07-03 Thu 0200 (BS4)
 9238.0 M08 missed s/on CW 18-07-03 Fri 0703 (DM2)
 9238.0 M08a ID 47523 20541 06031 CW 06-07-03 Sun 1100 (MS)
 9238.0 M08a ID 75303 95921 06471 (rpt of 0800z on 10446m) CW
 07-07-03 Mon 0900 (MS)
 9238.0 M08a (Very strong carrier overriding the morse signal -
 uncopiable) CW 13-07-03 Sun 1100 (MS)
 9238.0 M08a ID 86652 67471 87741 CW 14-07-03 Mon 0700 (MS)
 9238.0 M08a ID 98341 17032 14812 (rpt of 0800z on 10446m) CW
 14-07-03 Mon 0900 (MS)
 9238.0 M08a ID 81863 69281 85503 CW 20-07-03 Sun 1100 (MS)

9251 E03 LP. //6959 USB 23-07-03 Wed 2035 (FG)
 9251 E03 LP. Id 08381 USB 30-07-03 Wed 2200 (PP1)
 9251.0 E03 23285 USB 12-06-03 Thu 2100 (GG)
 9251.0 E03 19294 USB 13-06-03 Fri 2100 (GG)
 9251.0 E03 90821 USB 29-06-03 Sun 2100 (GG)
 9251.0 E03 90821 USB 29-06-03 Sun 2100 (GG)
 9251.0 E03 08381 USB 23-07-03 Wed 2200 (GG)
 9265 G06 308 null msg AM 07-07-03 Mon 2000 (HPT)
 9265 G06 308 308 308 00000 AM 07-07-03 Mon 2000 (RiN)
 9323.0 M08a (in progress) ID ----- 54013 CW 06-07-03 Sun
 9323.0 M08a ID 98882 55633 15271 CW 08-07-03 Tue 1000 (MS)
 9323.0 M08a ID 29021 ----- (in progress) CW 10-07-03 Thu
 9323.0 M08a ID 01611 14243 34021 (note that first msg is same
 number as 1000z on 3025m) CW 19-07-03 Sat 1000 (MS)
 9323.0 V02a ID 81772 13042 28.11 (YL/SS) USB 10-07-03 Thu 0400
 9330.0 M08 CW 16-07-03 Wed 0400 (DM2)
 9330.0 M08a (in progress - missed callups) CW 04-07-03 Fri 1200
 9330.0 M08a ID 45771 91732 33192 CW 07-07-03 Mon 1200 (MS)
 9330.0 M08a ID 44773 55801 30431 CW 09-07-03 Wed 1200 (MS)
 9330.0 M08a ID 60682 55803 30433 CW 11-07-03 Fri 1200 (MS)
 9330.3 M08a ID 13472 24721 33362 (ADUIN NUINA DDDRN). WBCQ also
 on frequency. CW 23-07-03 Wed 0400 (DM2)
 9331.0 M08a (No copy. Strong carrier with uncopiable key clicks)
 CW 09-07-03 Wed 1000 (MS)
 9331.0 M08a ID 63861 61622 75352 CW 14-07-03 Mon 1200 (MS)
 9385 M10 555:086-61/19= 37566 //14445 CW 22-07-03 Tue 1950
 9385 M10 555:095-##/17= 9##72 //14445 CW 26-07-03 Sat 1950
 9385 M10 555: 564-38/39= ###63 //14445 CW 31-07-03 Thu 1950
 9386 M13A 491 233? 20 CW 28-07-03 Mon 2000 (JP)
 9448 E11 312/00 AM 01-07-03 Tue 1230 (GN)
 9448 E11 312/00 AM 29-07-03 Tue 1230 (HFD)
 9476 E07 246:1-4818/111= 69375 AM 16-07-03 Wed 0530 (HFD)
 9610 E11 312/00 AM 04-07-03 Fri 1030 (AF)
 9610 E11 312/00 AM 08-07-03 Tue 1030 (HFD)
 9950 E11 183/00 AM 22-07-03 Tue 1300 (HFD)
 10046 M22 4XZ. Israeli navy Haifa. VVV marker CW 25-07-03 Fri
 1252 (HTP)
 10118.9 M08a ID 13472 24721 33362 (ADUIN NUINA DDDRN) CW 23-07-03
 Wed 0500 (DM2)
 10119.0 M08a ID 52893 89052 06033 CW 09-07-03 Wed 0500 (MS)
 10125 E11 232/00 AM 17-07-03 Thu 0800 (HFD)
 10125.0 M08a ID 73873 29312 66873 CW 19-07-03 Sat 0300 (MS)
 10125.0 M08a in progress CW 29-07-03 Tue 0306 (DM2)
 10126.0 M08a ID 47522 13243 44672 (rpt of 1000z on 9153m) CW
 04-07-03 Fri 1100 (MS)
 10126.0 M08a ID 45581 06031 20542 (rpt of 1000z on 9153m) CW
 07-07-03 Mon 1100 (MS)
 10126.0 M08a (late start for sked. No calls copied, too weak) CW

11-07-03 Fri 1100 (MS)
 10126.0 M08a ID 30541 77953 49302 (rpt of 1000z on 9153m) CW
 14-07-03 Mon 1100 (MS)
 10126.0 M08a ID 08343 57281 94481 CW 19-07-03 Sat 0900 (MS)
 10233.0 M08a ID 67713 59643 27373 (RIAD WMRUD NIDID) CW 27-07-03
 Sun 0400 (DM2)
 10233.9 M08a ID 93273 67712 28613 (MDNID RIAN NGRAD). NOTE:
 previous week was 93272 03083 CW 23-07-03 Wed 0400
 (DM2)
 10234.0 M08 CW 16-07-03 Wed 0400 (DM2)
 10234.0 M08a ID 67711 59642 85502 CW 20-07-03 Sun 0400 (MS)
 10235.0 M08a ID 52891 84973 44671 CW 04-07-03 Fri 0400 (MS)
 10235.0 M08a ID 45701 01363 69342 (UWITA TADRD RMDUN) CW 29-07-03
 Tue 0400 (DM2)
 10343.0 M08a ID 98881 55632 58843 CW 05-07-03 Sat 1100 (MS)
 10343.0 M08a ID 89053 99831 91793 CW 10-07-03 Thu 0300 (MS)
 10343.0 M08a ID 01611 14243 34021 (rpt of 1000z on 9323m) CW
 19-07-03 Sat 1100 (MS)
 10343.0 M08a in progress CW 24-07-03 Thu 0321 (DM2)
 10344.0 M08a ID 63151 54282 90233 CW 26-07-03 Sat 1100
 10345.0 M08a ID 47521 98692 44671 CW 03-07-03 Thu 1100 (MS)
 10346.0 M08a ID 98882 55633 15271 (rpt of 1000z on 9323m) CW
 08-07-03 Tue 1100 (MS)
 10353 E07 573 - 143/68 = 38582 AM 03-07-03 Thu 2050 (GN)
 10361 E07 246:1-4818/111= 69375 AM 16-07-03 Wed 0550 (HFD)
 10426 E03 LP. Id 61495 USB 21-07-03 Mon 2200 (CA2)
 10426 E03 LP in progress USB 27-07-03 Sun 1605 (PP1)
 10426.0 E03 61499 USB 21-07-03 Mon 2200 (DM)
 10426.0 E03 Covered by RTTY, simulcast of 11545 USB 21-07-03 Mon
 2200 (CA2)
 10446.0 M08a ID 36703 76431 54011 CW 04-07-03 Fri 0800 (MS)
 10446.0 M08a ID 75303 95921 06471 CW 07-07-03 Mon 0800 (MS)
 10446.0 M08a ID 98341 17032 14812 CW 14-07-03 Mon 0800 (MS)
 10446.0 M08a in progress CW 24-07-03 Thu 0321 (DM2)
 10446.0 M08a in progress CW 24-07-03 Thu 0424 (DM2)
 10446.0 V02A LSB 16-07-03 Wed 0300 (DM2)
 10520.0 M23 555 (R10) CW 05-07-03 Sat 0500 (MS)
 10520.0 M23 555 (R10) CW 06-07-03 Sun 0430 (MS)
 10520.0 M23 555 (R10) CW 19-07-03 Sat 0430 (MS)
 10520.0 M23 555 (R10) CW 20-07-03 Sun 0430 (MS)
 10566.0 M08a ID 45771 91732 33192 (rpt of 1200z on 9330m) CW
 07-07-03 Mon 1300 (MS)
 10566.0 M08a ID 44773 55801 30431(rpt of 1200z on 9330m) CW
 09-07-03 Wed 1300 (MS)
 10566.0 M08a (another late start. Came up at 1304z directly in
 first msg, no calls sent) CW 11-07-03 Fri 1300 (MS)
 10648.0 E10 YHF2 USB 12-06-03 Thu 2230 (GG)
 10648.0 E10 YHF2 USB 12-06-03 Thu 2230 (GG)

10648.0 E10 YHF2 USB 06-07-03 Sun 2030 (BS4)
10715.0 M08a ID 28642 33802 63353 CW 09-07-03 Wed 1100 (MS)
10858.0 M08a ID 45841 37022 34372 CW 03-07-03 Thu 1200 (MS)
10858.0 M08a ID 45843 91731 33191 CW 05-07-03 Sat 1200 (MS)
10858.0 M08a ID 45772 91733 33193 (station off to a late start) CW
08-07-03 Tue 1200 (MS)
10858.0 M08a ID 60683 61621 75351 CW 12-07-03 Sat 1200 (MS)
10858.0 M08a ID 52353 60951 86041 CW 19-07-03 Sat 1200 (MS)
10858.0 M08a ID 55233 04241 36511 CW 26-07-03 Sat 1200
10871.7 MX Cluster beacon "D" CW 04-07-03 Fri 0800 (CR)
10871.9 MX Cluster beacon "S" CW 04-07-03 Fri 0800 (CR)
10871.9 MX Cluster beacon "S" CW 22-07-03 Tue 2115 (AB)
10872 MX Cluster beacon "C" CW 04-07-03 Fri 0800 (CR)
10872 MX Cluster beacon "C" CW 22-07-03 Tue 2115 (AB)
10872.4 MX Cluster beacon "M" CW 04-07-03 Fri 0800 (CR)
10923 M10 555:122-03/21= 42008 288-33/29= 59249 //7380 CW
29-07-03 Tue 1410 (HFD)
11054 M13 517 CW 07-07-03 Mon 1900 (HFD)
11054 M13 517 CW 07-07-03 Mon 2000 (HFD)
11054 M13 517 CW 08-07-03 Tue 1900 (HFD)
11054 M13 517 CW 21-07-03 Mon 1900 (HFD)
11054 M13 517 CW 22-07-03 Tue 1900 (HFD)
11054 M13 517 CW 22-07-03 Tue 2000 (HFD)
11060 S06 208-375/84=25342 AM 26-07-03 Sat 1800 (HFD)
11075 XP msg AM 24-07-03 Thu 2040 (HFD)
11075 XP Msg AM 25-07-03 Fri 2040 (CA2)
11075.0 XP Inaudible/very weak signal AM 24-07-03 Thu 2040 (CA2)
11083 XP msg AM 08-07-03 Tue 0600 (HFD)
11350 M23 556 CW 19-07-03 Sat 1038 (FM)
11430.0 M08a ID 45581 87503 06032 CW 08-07-03 Tue 0500 (MS)
11435 G06 308 null msg AM 07-07-03 Mon 1900 (HPT)
11435 G06 308 308 308 00000 AM 07-07-03 Mon 1900 (RiN)
11545 E03 LP. Id 77780 USB 11-07-03 Fri 2100 (AB)
11545 E03 LP. Id 61495 USB 21-07-03 Mon 2200 (CA2)
11545.0 E03 19294 USB 13-06-03 Fri 2100 (GG)
11545.0 E03 USB 18-07-03 Fri 2100 (DM)
11545.0 E03 05062 USB 19-07-03 Sat 2200 (DM)
11545.0 E03 Weak/Poor signal at first, improving to Poor/Fair
signal USB 21-07-03 Mon 2200 (CA2)
11545.0 E03 Good signal. Missed callups. USB 26-07-03 Sat 1615
11563.0 M08a ID 55721 23313 50351 (WWINA NDDAD WTDWA). Good signal
CW 21-07-03 Mon 0400 (DM2)
11565 EZI 06-07-03 2130
11565 EZI 11-07-03 1830
11565 EZI 13-07-03 2230
11565 EZI2 20-07-03 1930
11565 EZI2 21-07-03 2130
11565 E10 EZI AM 06-07-03 2230 (JAQ)

11565 E10 EZI2 AM 11-07-03 1930 (JAQ)
11565 E10 EZI AM 13-07-03 2130 (JAQ)
11565 E10 in progress AM 21-07-03 Mon 0100 (CA2)
11565 E10 EZI AM 21-07-03 2230 (JAQ)
11565 E10 EZI AM 23-07-03 Wed 2310 (SKS)
11565.0 E10 EZI2 USB 02-07-03 Wed 0200 (BS4)
11565.0 E10 EZI 86 ZVTLB//6840, 9130 USB 03-07-03 Thu 2330 (BS4)
11565.0 E10 EZI2//6840, 9130 USB 05-07-03 Sat 0100 (BS4)
11565.0 E10 EZI 88 YBH0A USB 06-07-03 Sun 0430 (BS4)
11565.0 E10 EZI USB 12-07-03 Sat 0430 (BS4)
11565.0 E10 EZI 65 JQRRX/9130, 13533 USB 12-07-03 Sat 2000 (JS3)
11565.0 E10 Message consisted of 14 groups of 5 letters. Not sure
if mode is USB or AM. USB 16-07-03 Wed 0002 (CA2)
11565.0 E10 Message consisted of 63 groups of 5 letters. Not sure
if mode is USB or AM. USB 16-07-03 Wed 0003 (CA2)
11565.0 E10 EZI2//13533 USB 16-07-03 Wed 0400 (BS4)
11565.0 E10 EZI 86 ZVTLB USB 16-07-03 Wed 2330 (GG)
11565.0 E10 Stronger than 4880 transmission, message consisted of
14 groups of 5 letters USB 17-07-03 Thu 0002 (CA2)
11565.0 E10 Barely readable because of interference from a V2a
transmission on 11566 USB 17-07-03 Thu 0003 (CA2)
11565.0 E10 EZI2//6840, 9130 USB 17-07-03 Thu 0100 (BS4)
11565.0 E10 EZI 14 GJVJP USB 17-07-03 Thu 0200 (GG)
11565.0 E10 EZI 14 GJVJP USB 17-07-03 Thu 0230 (GG)
11565.0 E10 EZI 63 UALNO//9130 USB 17-07-03 Thu 0300 (BS4)
11565.0 E10 Calling EZI then into message of 14 groups USB
18-07-03 Fri 0230 (CA2)
11565.0 E10 Weak / poor signal, calling EZI then into message of
unid groups USB 18-07-03 Fri 0300 (CA2)
11565.0 E10 Fair / Strong signal, message was 12 groups long USB
19-07-03 Sat 0130 (CA2)
11565.0 E10 Strong signal, message was 92 groups long USB 19-07-03
Sat 0230 (CA2)
11565.0 E10 Poor/Fair signal, tuned into during message USB
20-07-03 Sun 0230 (CA2)
11565.0 E10 fair signal, tuned in during message. USB 21-07-03 Mon
0100 (CA2)
11565.0 E10 Calling EZI2, Null message, inaudible/very weak USB
30-07-03 Wed 0100 (CA2)
11565.0 E10 Missed preamble, into message, inaudible/very weak USB
30-07-03 Wed 0130 (CA2)
11565.0 M08a ID 93233 09201 32603 CW 05-07-03 Sat 0400 (MS)
11565.0 M08a CW 07-07-03 Mon 1700 (DM)
11565.0 M08a ID 73873 29312 66873 (rpt of 0300z on 10125m) CW
19-07-03 Sat 0400 (MS)
11565.0 M08a ID 20301 72532 07401 (NTDTA INWDN TIUTA) CW 29-07-03
Tue 0400 (DM2)
11566.0 V02a A 03891 01701 37441 AM 11-07-03 Fri 0300 (BM)

11566.0 V02a Voice is distorted, bdcasting unknown groups of 5
 spanish numbers AM 17-07-03 Thu 0003 (CA2)
 11566.0 V02a very distorted signal AM 18-07-03 Fri 0300 (DM)
 12093.0 M08a ID 45841 37022 34372 (rpt of 1200z on 10858m) CW
 03-07-03 Thu 1300 (MS)
 12093.0 M08a ID 45843 91731 33191 (rpt of 1200z on 10858m) CW
 05-07-03 Sat 1300 (MS)
 12093.0 M08a ID 45772 91733 33193 (rpt of 1200z on 10858m) CW
 08-07-03 Tue 1300 (MS)
 12093.0 M08a ID 60681 55802 30432 (note: 1200z sked on 10858m was
 nil heard) CW 10-07-03 Thu 1300 (MS)
 12093.0 M08a ID 60683 61621 75351 (rpt of 1200z on 10858m) CW
 12-07-03 Sat 1300 (MS)
 12093.0 M08a ID 52353 60951 86041 (rpt of 1200z on 10858m) CW
 19-07-03 Sat 1300 (MS)
 12165.0 V02 AM 21-07-03 Mon 0203 (BL)
 12165.0 V02A AM 07-07-03 Mon 0200 (DM)
 12183 XP msg AM 08-07-03 Tue 0620 (HFD)
 12185 E06 490 null msg AM 12-07-03 Sat 2100 (JS3)
 12200 E06 736-495/126=35243 AM 26-07-03 Sat 1500 (HFD)
 12200.0 E06 "736 495 126 35243..." USB 26-07-03 Sat 1500 (AF)
 12203 E07 682:1-358/27=71997 AM 07-07-03 Mon 2040 (HFD)
 12203 E07 msg AM 23-07-03 Wed 2040 (PP1)
 12205 E07 682 + msg AM 09-07-03 Wed 2040 (JS3)
 12211 XP null msg AM 08-07-03 Tue 2020 (CD)
 12211 XP ID820 dk/gc 00235/00163 AM 17-07-03 Thu 2020 (JS3)
 12211 XP Msg AM 25-07-03 Fri 2020 (CA2)
 12211.0 XP Weak/poor signal, message AM 24-07-03 Thu 2020 (CA2)
 12212 XP 0-msg AM 01-07-03 Tue 2020 (HFD)
 12212 XP 0-msg AM 22-07-03 Tue 2020 (HFD)
 12212 XP msg AM 24-07-03 Thu 2020 (HPT)
 12215.0 V02A USB 04-07-03 Fri 0200 (DM)
 12215.0 V02a Atencion 91371 06492 27632. Fair to good signal here.
 AM 29-07-03 Tue 0200 (DM2)
 12215.0 XP Russian Polytone - with a msg (exact freq: 12215) AM
 08-07-03 Tue 2040 (JS3)
 12215.0 XP Russian Polytone - with a msg; strong signal (XP, not
 XPH - sorry). AM 17-07-03 Thu 2020 (JS3)
 12215.0 XPH Russian Polytone - with a msg; strong signal. AM
 17-07-03 Thu 2020 (JS3)
 12216 XP msg AM 22-07-03 Tue 2040 (HFD)
 12218 M13 458 226 22 CW 28-07-03 Mon 2200 (JP)
 12220 XP msg AM 08-07-03 Tue 2040 (JS3)
 12226 M10 555:244-82/31= 45430 133-96/40= 67329 //8143 CW
 20-07-03 Sun 1920 (HFD)
 12226 M10 555:244-82/31= 45430 133-96/40= 67329 //8143 CW
 21-07-03 Mon 1920 (HFD)
 12295 M10 555:986-98/33= 39470 808-19/50= 81722 //8190 CW

25-07-03 Fri 1720 (HFD)
 12494 M13 261 CW 20-07-03 Sun 1900 (HFD)
 12494 M13 261 CW 20-07-03 Sun 2000 (HFD)
 12494.0 M13 261 (R5) BT 270 21 BT CW 06-07-03 Sun 1900 (MS)
 12494.0 M13 261 (R5) BT 270 21 BT (rpt of 1900z on 12494m) CW
 06-07-03 Sun 2000 (MS)
 12494.0 M13 (already in progress - should be callup of 261) CW
 20-07-03 Sun 2014 (MS)
 12603 E03 LP. Id 08381 USB 2100 (CA2)
 12603 E03 LP. Id 08381 USB 23-07-03 Wed 2200 (CA2)
 12603.0 E03 USB 02-07-03 Wed 2200 (DM)
 12603.0 E03 08381 USB 16-07-03 Wed 2200 (DM)
 12603.0 E03 Weak/poor signal, ID is 08381, off at 21:46 USB
 22-07-03 Tue 2100 (CA2)
 12603.0 E03 Fair/strong signal, ID 08381, off at around 22:46. USB
 23-07-03 Wed 2200 (CA2)
 12606 E03 LP. Id 61499 USB 15-07-03 Tue 1400 (HPT)
 12754 M13 714 CW 24-07-03 Thu 2000 (HFD)
 12754 M13 714 CW 25-07-03 Fri 2000 (HFD)
 12754.0 M13 714 (R5) BT 226 20 BT CW 10-07-03 Thu 2000 (MS)
 12984.0 M22? M22 very faint with VNG time signal QRM @~15wpm CW
 31-07-03 Thu 0003 (Vambo)
 13375 E03 LP in progress USB 11-07-03 Fri 1717 (NB)
 13375 E03 LP in progress USB 25-07-03 Fri 1916 (PP1)
 13380 G06 943, with a msg: 256/71 AM 13-07-03 Sun 2020 (JS3)
 13380 G06 940-256/71=82822 AM 13-07-03 Sun 2020 (HFD)
 13380.0 G06 Callup 973; signed off with "99999". AM 20-07-03 Sun
 2021 (FRG)
 13405 S10D 555 poor //14445 AM 01-07-03 Tue 1855 (HFD)
 13502 S10D 555:689-37/42= 63420 219-56/35= 65310 //8190 AM
 21-07-03 Mon 1740 (HFD)
 13502 S10D 555:689-37/42= 63420 219-~~##~~/35= ~~#####~~ //8190 AM
 22-07-03 Tue 1740 (HFD)
 13526 E07 573:0 AM 24-07-03 Thu 2010 (HFD)
 13533.0 E10 EZI2 USB 06-07-03 Sun 1930 (BS4)
 13533.0 E10 EZI 65 JQRRX AM 06-07-03 Sun 2000 (BS4)
 13533.0 E10 EZI 12 YMGUW USB 06-07-03 Sun 2100 (BS4)
 13533.0 E10 EZI 65 JQRRX/9130, 11565 USB 12-07-03 Sat 2000 (JS3)
 13533.0 E10 EZI2 USB 12-07-03 Sat 2100 (BS4)
 13533.0 E10 EZI2//11565 USB 16-07-03 Wed 0400 (BS4)
 13804 XP msg AM 22-07-03 Tue 2020 (HFD)
 13804 XP Msg AM 25-07-03 Fri 2000 (CA2)
 13804.0 XP Weak/poor signal, message, off at 20:05 37 AM 24-07-03
 Thu 2000 (CA2)
 13805 XP 0-msg AM 03-07-03 Thu 2000 (HFD)
 13807 XP 0-msg AM 01-07-03 Tue 2000 (HFD)
 13807 XP 0-msg AM 22-07-03 Tue 2000 (HFD)
 13807 XP msg AM 24-07-03 Thu 2000 (HPT)

13840 V07 893:0 AM 08-07-03 Tue 0600 (HFD)
13840 V07 893:0 AM 22-07-03 Tue 0600 (HFD)
13872 E07 682:0 15640 at 20 Z totally blocked by Kol Israel AM
02-07-03 Wed 2020 (HFD)
13872 E07 682:1-358/27=71997 AM 07-07-03 Mon 2020 (HFD)
13872 E07 msg AM 23-07-03 Wed 2020 (PP1)
13883 XP msg AM 08-07-03 Tue 0640 (HFD)
14445 M10 555:086-61/19= 37566 //9385 CW 22-07-03 Tue 1950
14445 M10 555:095-##/17= 9##72 //9385 CW 26-07-03 Sat 1950
14445 M10 555: 564-38/39= ###63 //9385 CW 31-07-03 Thu 1950
14445 S10D 555 poor //13405 AM 01-07-03 Tue 1855 (HFD)
14487 E03 LP. Id 00415 USB 24-07-03 Thu 1300 (CA2)
14487 E03 LP. Id 61499 USB 25-07-03 Fri 1600 (CA2)
14487.0 E03 Inaudible/very weak signal, ID is 00415, off at around
13:46 USB 24-07-03 Thu 1300 (CA2)
14487.0 E03 weak/poor signal, ID is 61499, off at around 16:46 USB
24-07-03 Thu 1600 (CA2)
14487.0 E03 LP simulcast, weak but readable; missed callups. USB
26-07-03 Sat 1615 (FRG)
14510.0 E06 "736" USB 26-07-03 Sat 1400 (AF)
14530 E10 YHF2 AM 09-07-03 Wed 2030 (AJP)
14580 S06 729:0 AM 16-07-03 Wed 0700 (HFD)
14873 XPH 1852 tx break then only carrier 1854 s/off AM
08-07-03 Tue 1850 (HFD)
14873 XPH 0-msg AM 22-07-03 Tue 1850 (HFD)
14874 XPH null msg AM 22-07-03 Tue 1850 (PB)
14874 XPH Null msg AM 26-07-03 Sat 1850 (PB)
14874 XPH null msg AM 29-07-03 Tue 1850 (PB)
14892 XP USB 2200 (CA2)
14892 XP msg Am 22-07-03 Tue 2200 (HFD)
14892 XP Msg AM 25-07-03 Fri 2200 (CA2)
14892 XP msg AM 29-07-03 Tue 2200 (HFD)
14892.0 XP Fair/strong signal, fading from S4 - S6 on the
S-meter, off at 22:05 12 AM 22-07-03 Tue 2200 (CA2)
14892.0 XP Strong signal, into message at 22:02 06, off at 22:05
10 AM 24-07-03 Thu 2200 (CA2)
14940 V07 893 null msg AM 08-07-03 Tue 0620 (HPT)
15382.0 E03 Weak/poor signal, missed ID off at 14:46. USB 24-07-03
Thu 1400 (CA2)
15638 E07 682:1-358/27=71997 AM 07-07-03 Mon 2000 (HFD)
15682 E03 LP. Id 00493 USB 23-07-03 Wed 1300 (CA2)
15682 E03 LP in progress USB 24-07-03 Thu 1300 (CA2)
15682 E03 LP in progress USB 24-07-03 Thu 1400 (CA2)
15682.0 E03 Weak/poor signal, covered by interference from another
station, ID was 61401? USB 22-07-03 Tue 1600 (CA2)
15682.0 E03 Inaudible/very weak signal, ID 00493? off at around
13:46. USB 23-07-03 Wed 1300 (CA2)
15682.0 E03 Weak/poor signal, ID is 00415, off at around 13:46 USB

24-07-03 Thu 1300 (CA2)

15781	XP	msg AM 22-07-03 Tue 2000 (HFD)
15862	E03	LP. Id 61401? USB 1600 (CA2)
16151	M42	Dept of State Comms, Moscow (tentative) MFSK 18-07-03 Fri 1235 (HPT)
16292	XP	USB 2140 (CA2)
16292	XP	Msg AM 25-07-03 Fri 2140 (CA2)
16292.0	XP	Fair/strong signal, fading from S3 - S5 on the S-meter, off at 21:45 12 AM 22-07-03 Tue 2140 (CA2)
16292.0	XP	Strong signal, message, off at 21:45 10 AM 24-07-03 Thu 2140 (CA2)
16314	E03	LP. Id 61499 USB 1400 (CA2)
16314.0	E03	Strong signal, ID is 61499, off at 14:46 USB 22-07-03 Tue 1400 (CA2)
16331.9	MX	Cluster beacon "S" CW 22-07-03 Tue 2115 (AB)
16332.0	MX	cluster beacon "C" CW 01-07-03 Tue 0010 (LC2)
16354	XPH	0-msg AM 22-07-03 Tue 1830 (HPT)
16354	XPH	null msg AM 22-07-03 Tue 1830 (PB)
16354	XPH	383 null msg AM 22-07-03 Tue 1830 (JS3)
16354	XPH	null msg AM 29-07-03 Tue 1830 (PB)
16354.0	XPH	ID: 383, null-msg, signal: 5 AM 22-07-03 Tue 1830
16354.0	XPH	ID: 383, null-msg, signal: 5 - same procedure as last Tuesday. AM 29-07-03 Tue 1830 (JS3)
16410	M87	154 154 154 154 154 154 000 000 CW 08-07-03 Tue 0330
18192	XP	USB 2120 (CA2)
18192	XP	Msg AM 25-07-03 Fri 2120 (CA2)
18192.0	XP	Poor/fair signal, fading from S0 - S4 on the S-meter, off at 21:25 15 AM 22-07-03 Tue 2120 (CA2)
18192.0	XP	poor/fair signal, message, off at 21:25 10 AM 24-07-03 Thu 2120 (CA2)
18380	M23	555 CW 05-07-03 Sat 1908 (HVK)
18415	M16	8BY. DGSE. vvv 708/300/673/753/055/467 CW 21-07-03 Mon 1453 (HPT)
18864	E04	Cherry Ripe USB 25-07-03 Fri 1304 (PP1)
19145	X06	Dept of State Comms, Moscow. Mazielka calls AM 19-07-03 Sat 1242 (HPT)
19950	M23	555 CW 09-07-03 Wed 1600 (IB)
19950	M23	555 CW 09-07-03 Wed 1630 (IB)
21866	E04	Cherry Ripe USB 21-07-03 Mon 0100 (CA2)

<<<<<>>>>

::: Contributors to the Logs Section

AB	Ary Boender, Netherlands
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BM	Ben Mesander, CO, USA
BS4	Bob Swartz, VA, USA
CA2	Chris Acuff, MS, USA
CR	Cherry Ripe, Europe
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DM2	Dave Mosier, AZ, USA
FI	Fabrice, Italy
FM	Friedhelm Mehnert
FRG	Franz, Germany
GG	Gallus Galus, W.Europe
GN	Gert, Netherlands (via ENIGMA 2000)
HP	Harald Pakusch, Germany
HPT	Hans-Peter Tillmann, Germany
HVK	HVK, Mumbai, India (via ENIGMA 2000)
IB	Igor Buhtiyarov, Russia
JAQ	Aquila, Central Mediterranean
JP	Jim Prideaux
JS3	Jochen Schaefer, Germany
LC2	Laurent Carbonnaux, France
MS	Mark Slaten, MI, USA
NB	Nick, Belgium
PB	Paul Beaumont, UK (via ENIGMA 2000)
PP1	Patrice Privat, France
RiN	Richard Ness, UK
SKS	Skeater, Spain (via ENIGMA 2000)

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